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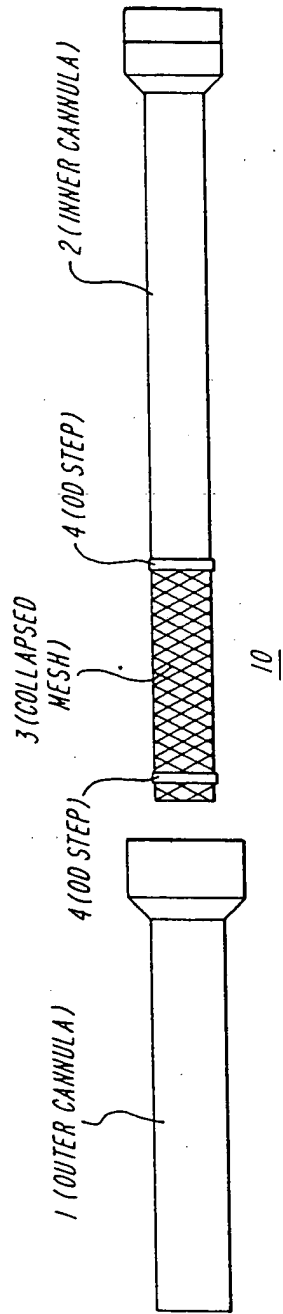


FIG. 1A

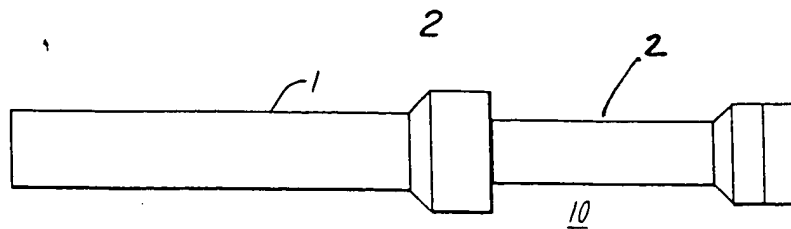


FIG. 1B

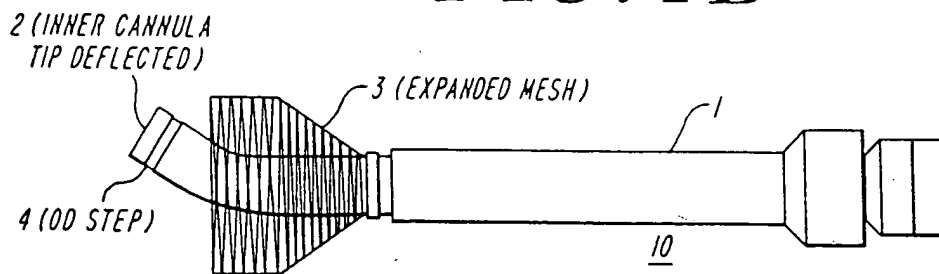


FIG. 1C

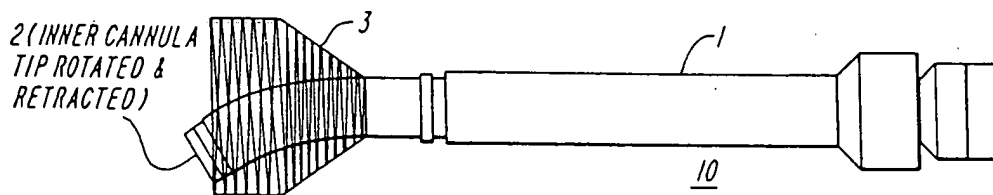


FIG. 1D

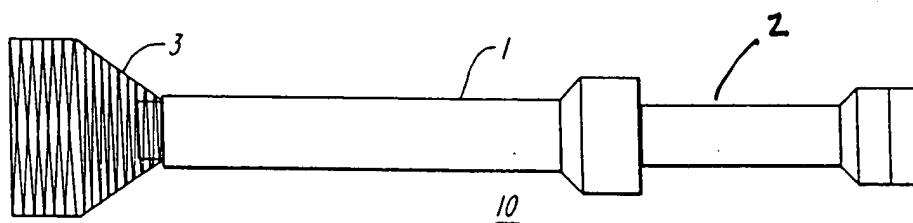


FIG. 1E

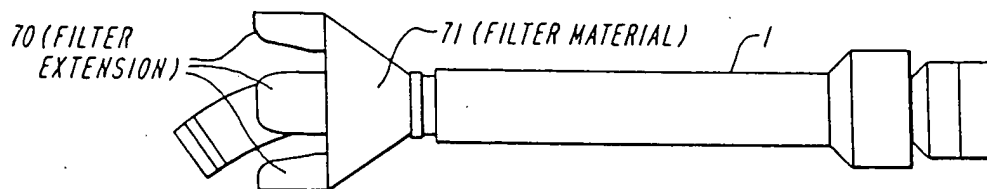


FIG. 1F

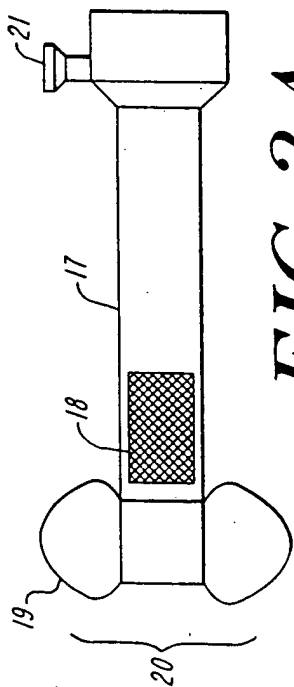


FIG. 2A

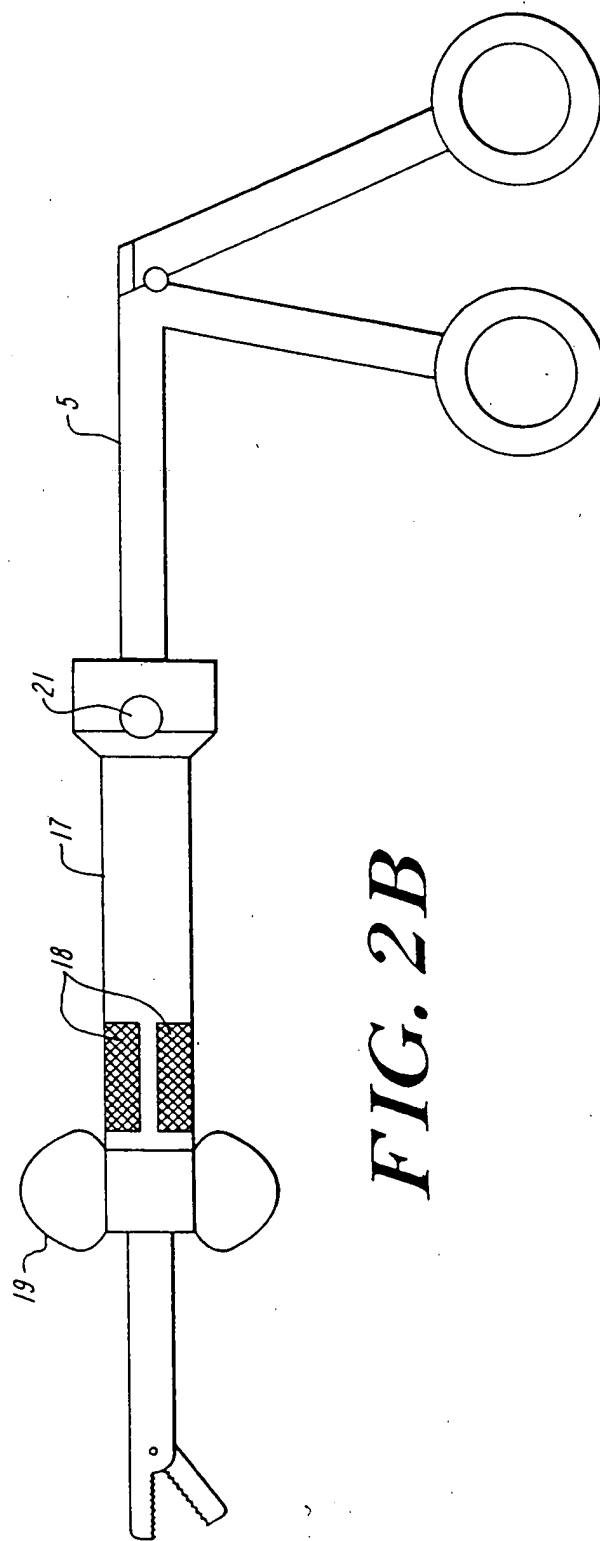


FIG. 2B

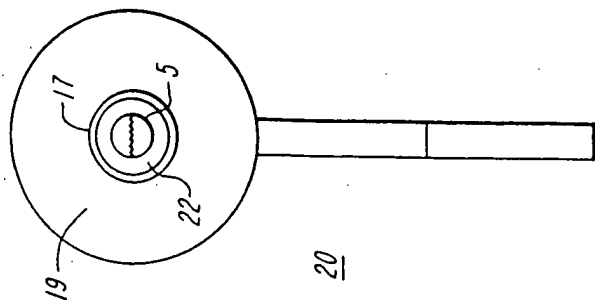
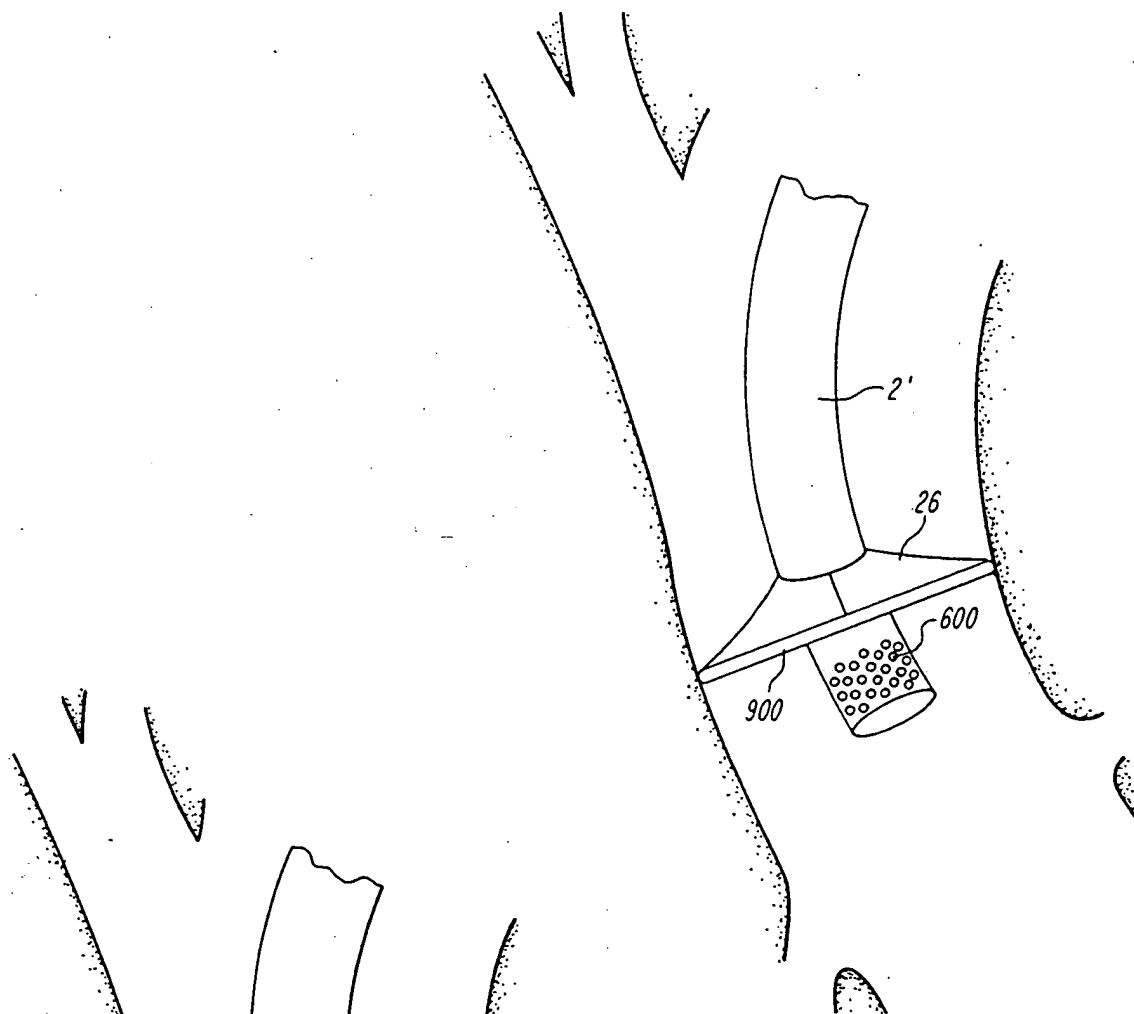
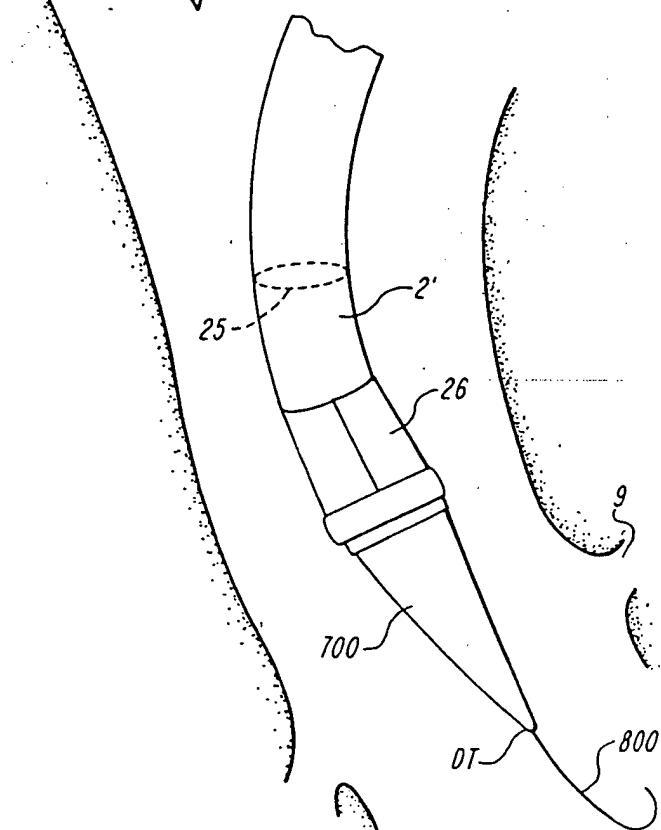


FIG. 2C

**FIG. 3B****FIG. 3A**

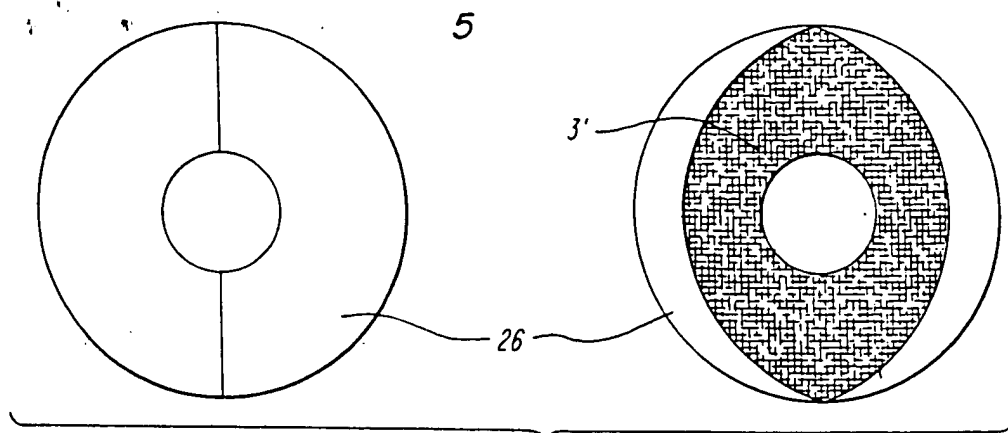


FIG. 4A

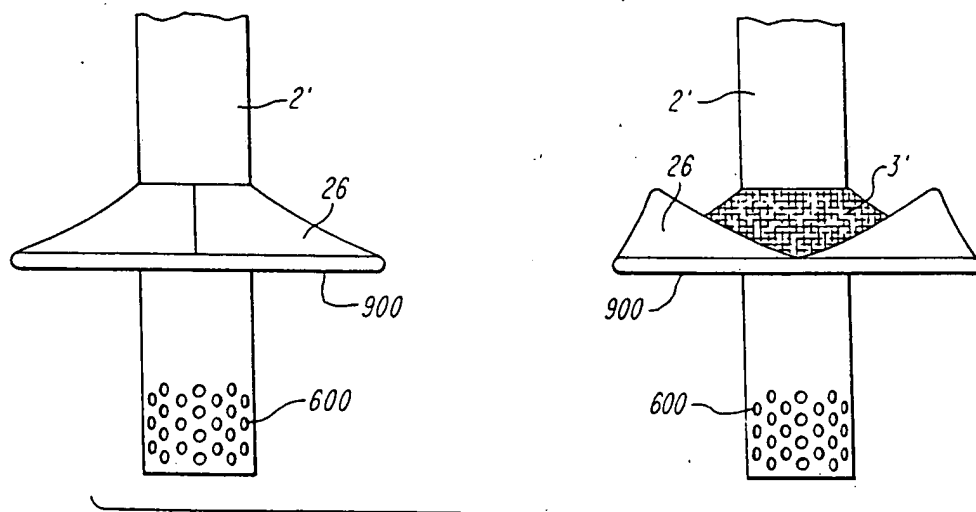


FIG. 4B

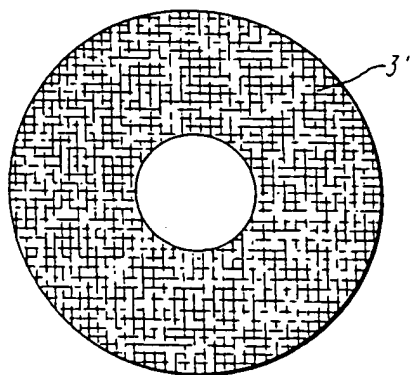


FIG. 5A

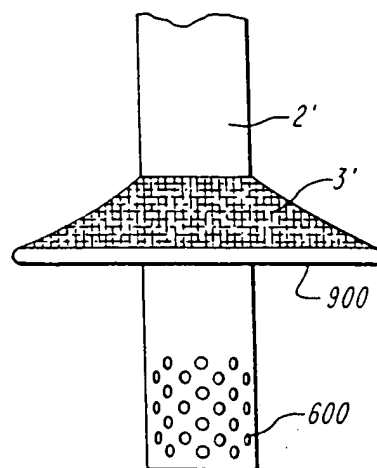


FIG. 5B

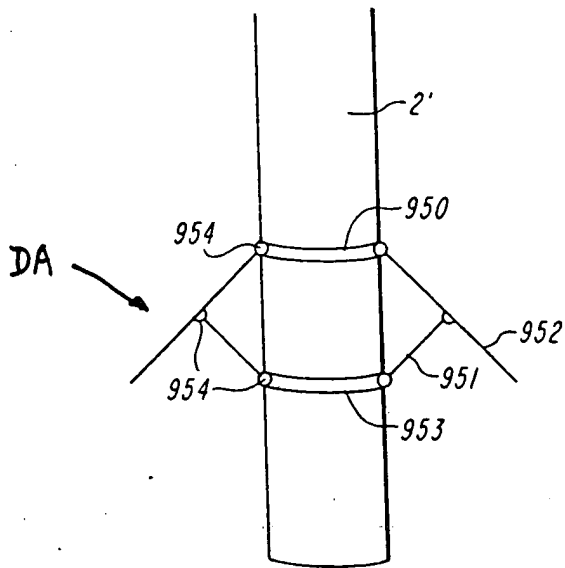


FIG. 6

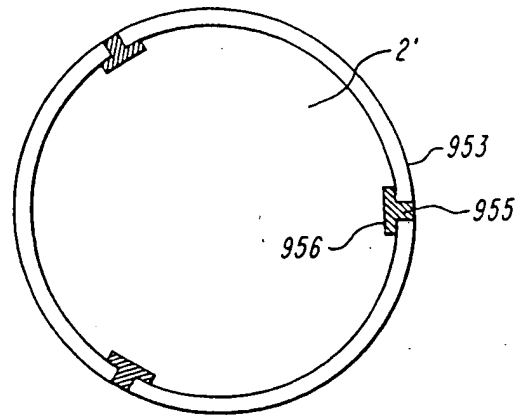


FIG. 7A

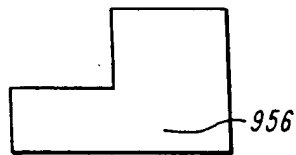


FIG. 7B

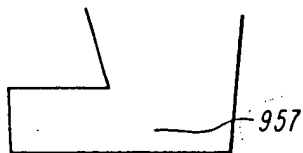


FIG. 7C

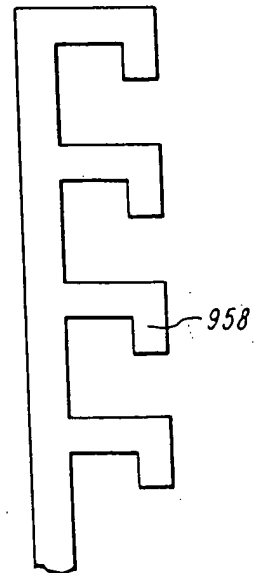
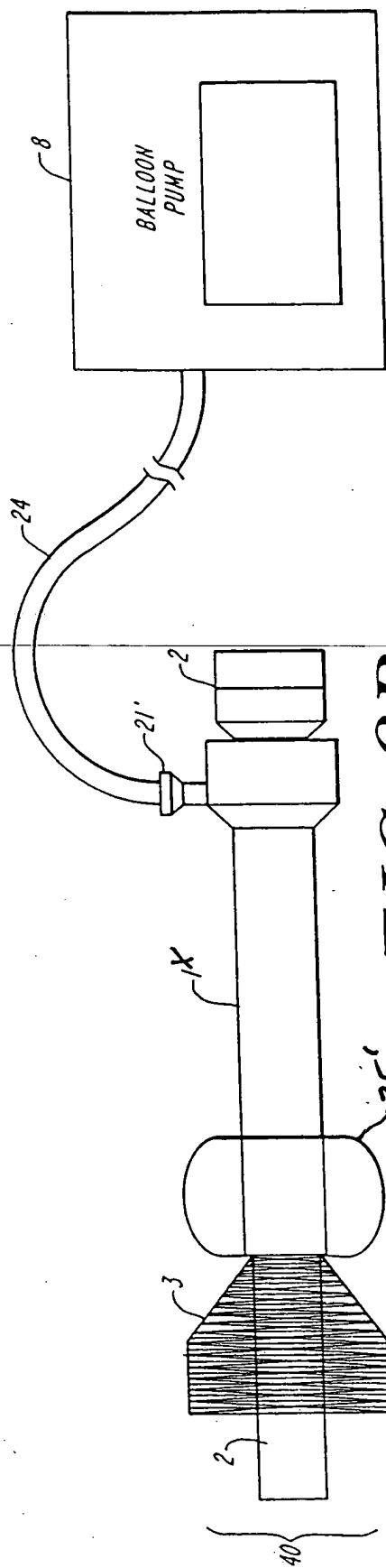
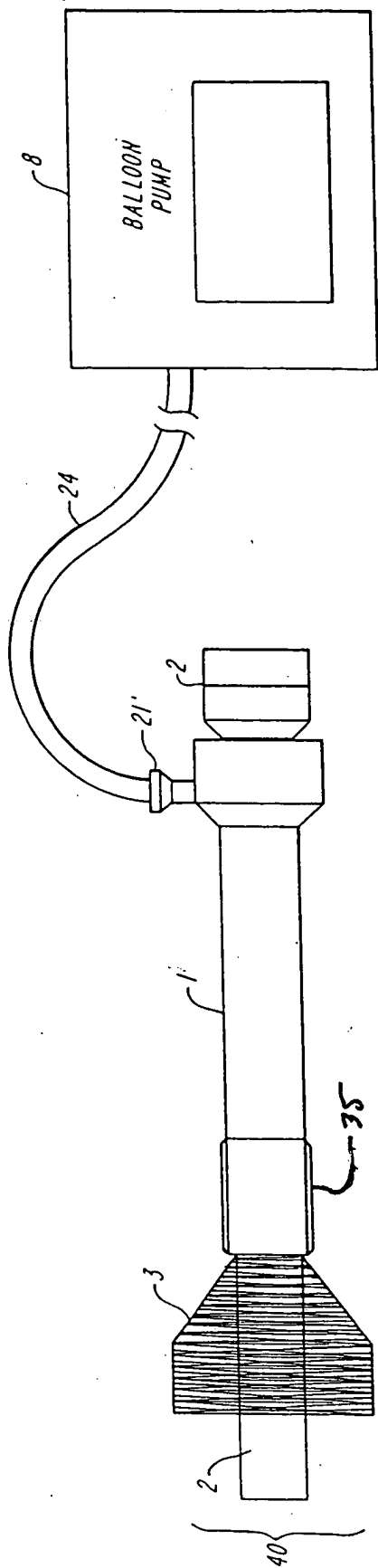


FIG. 7D



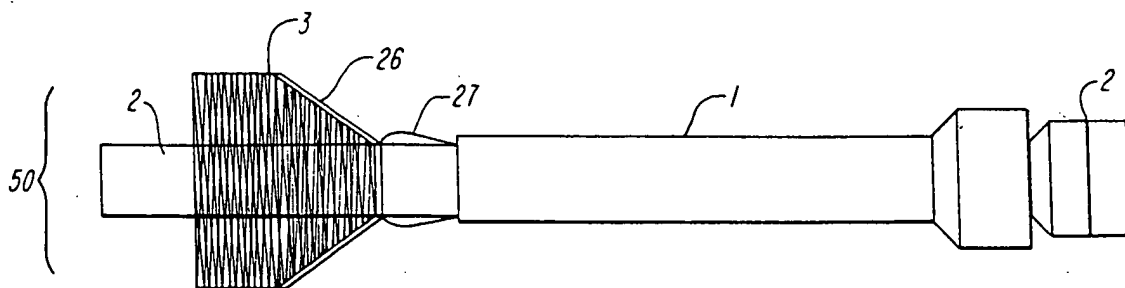


FIG. 9A

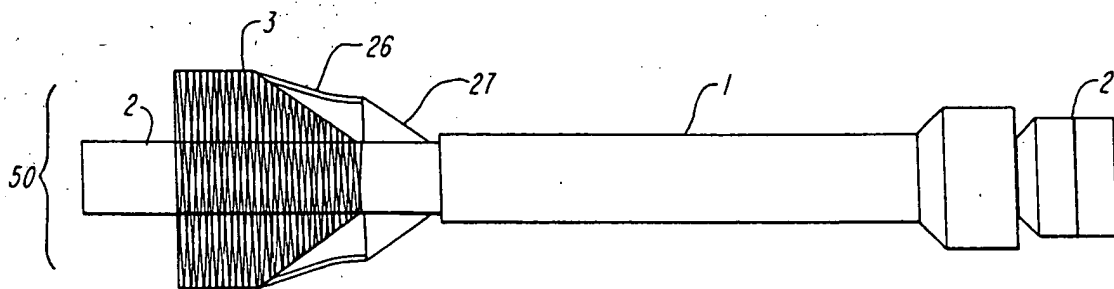


FIG. 9B

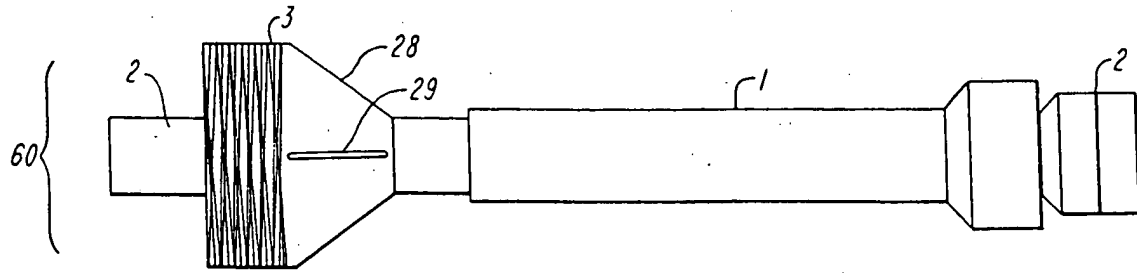


FIG. 10A

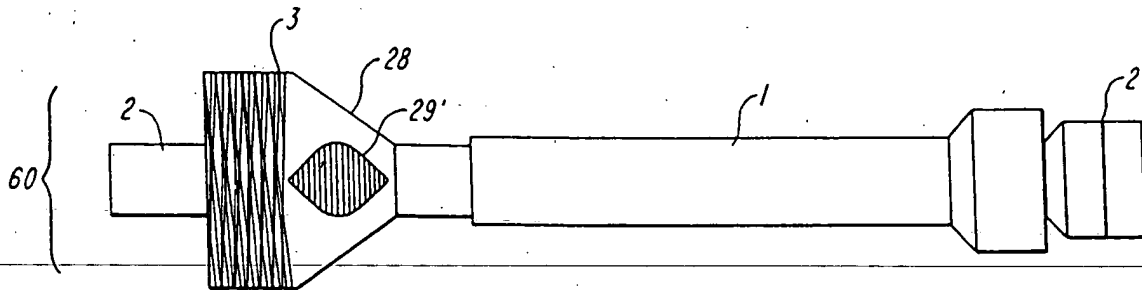


FIG. 10B

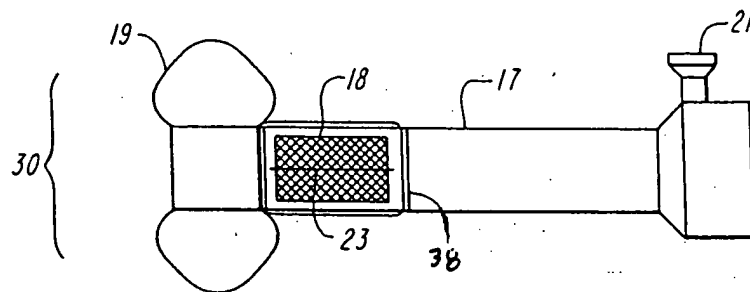


FIG. 11A

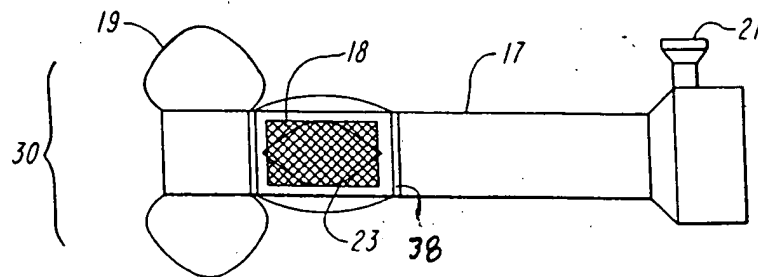


FIG. 11B

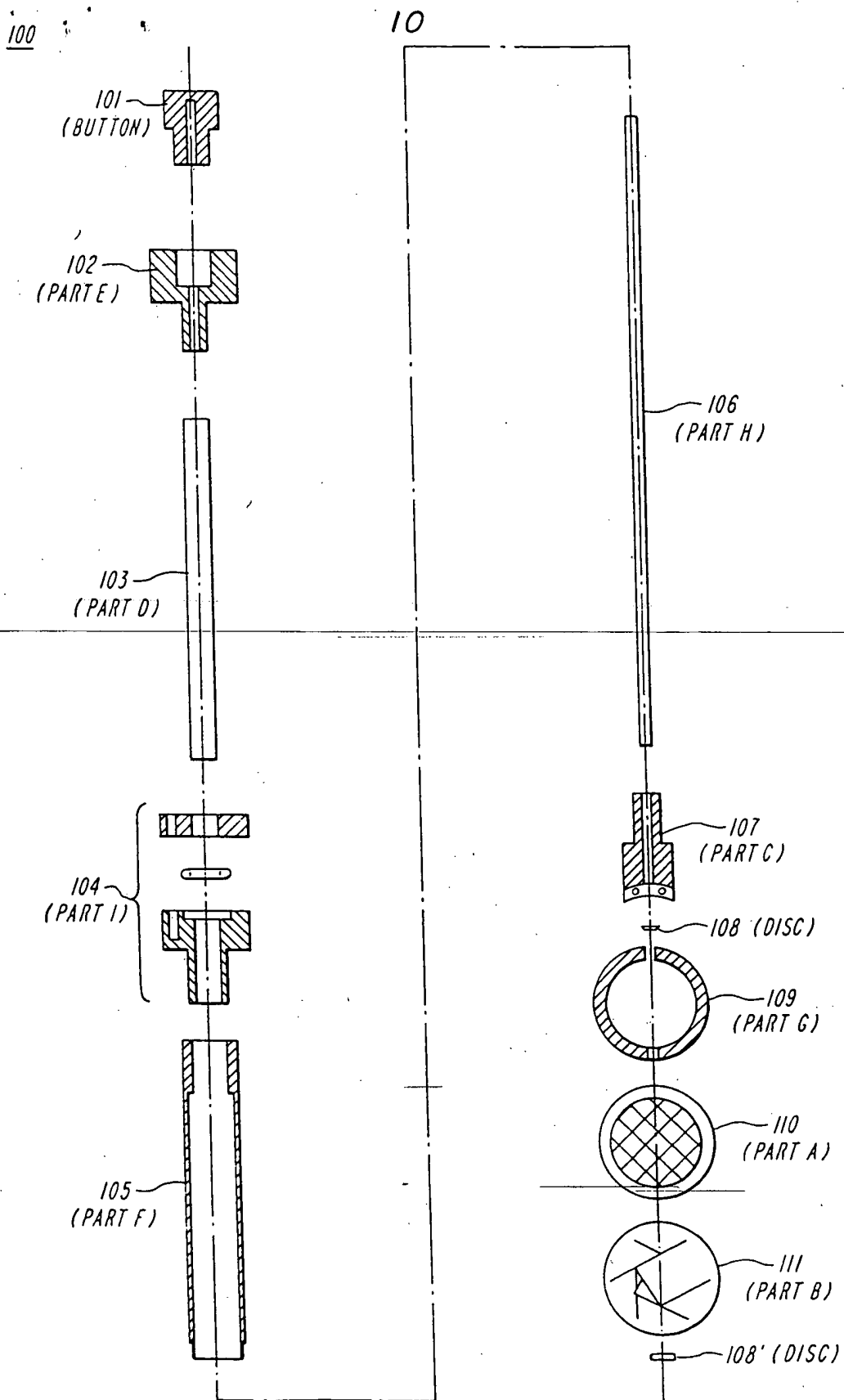


FIG. 12

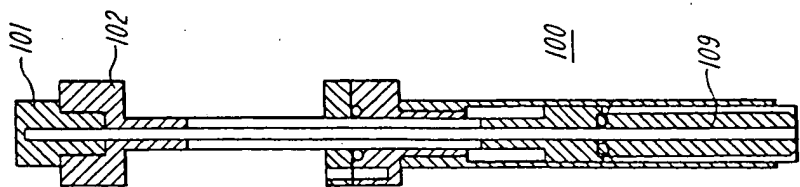


FIG.
13A

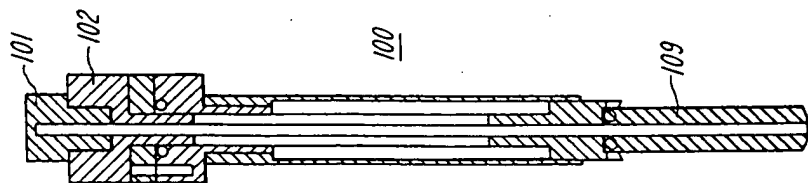


FIG.
13B

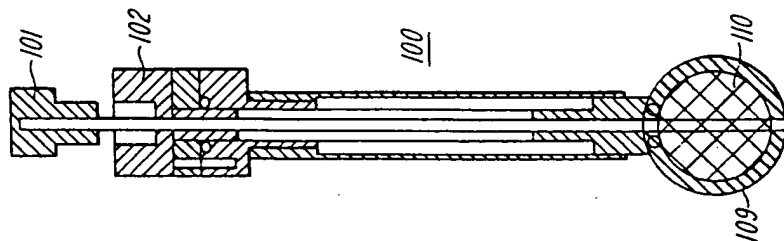


FIG.
13C

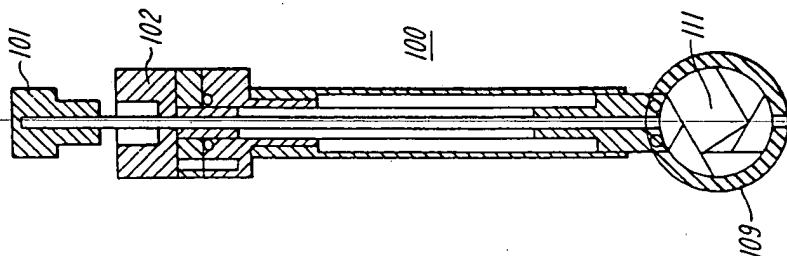


FIG.
13D

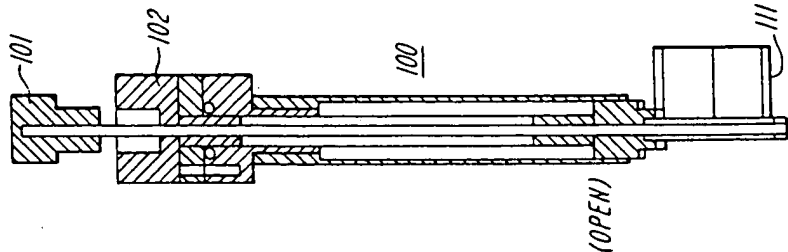


FIG.
13C'

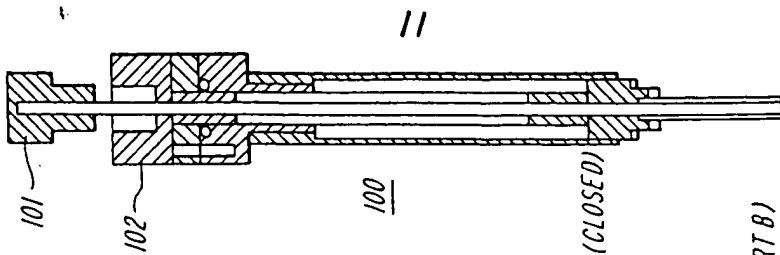
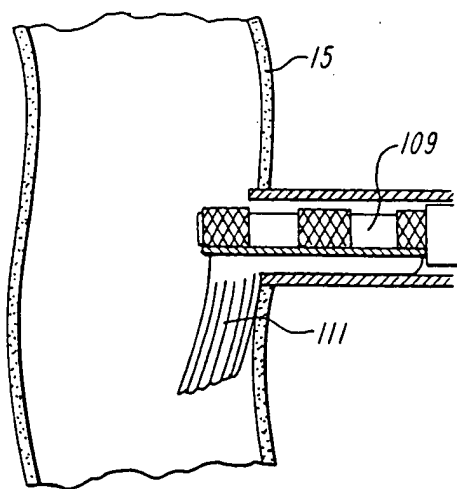
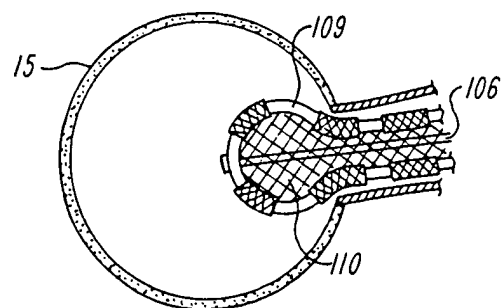
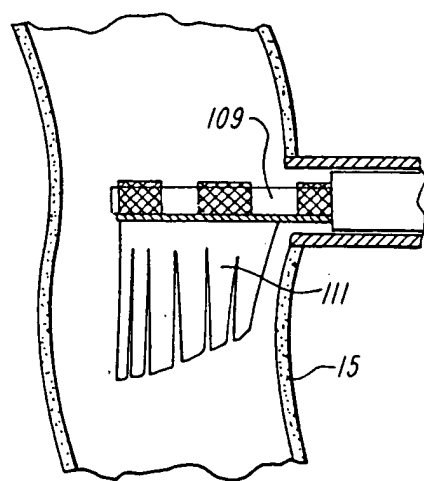
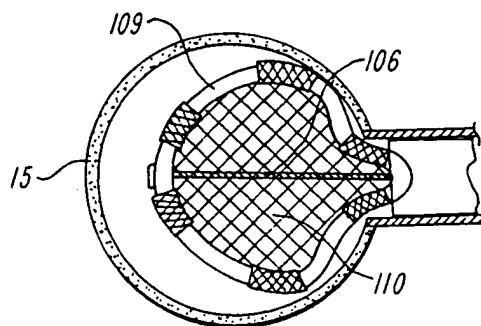
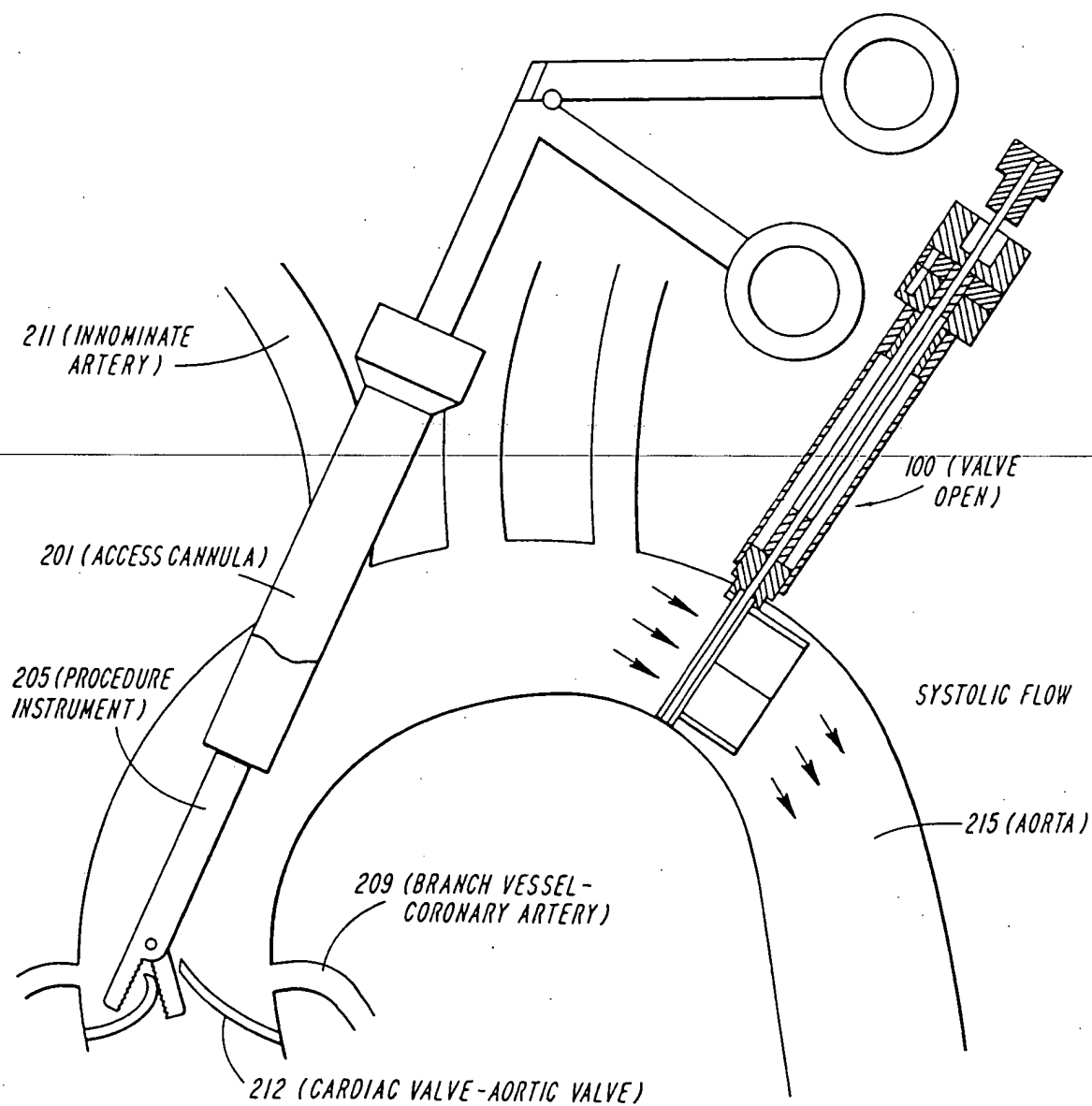


FIG.
13D'

11

**FIG. 14A****FIG. 14B****FIG. 14C****FIG. 14D**

**FIG. 15**

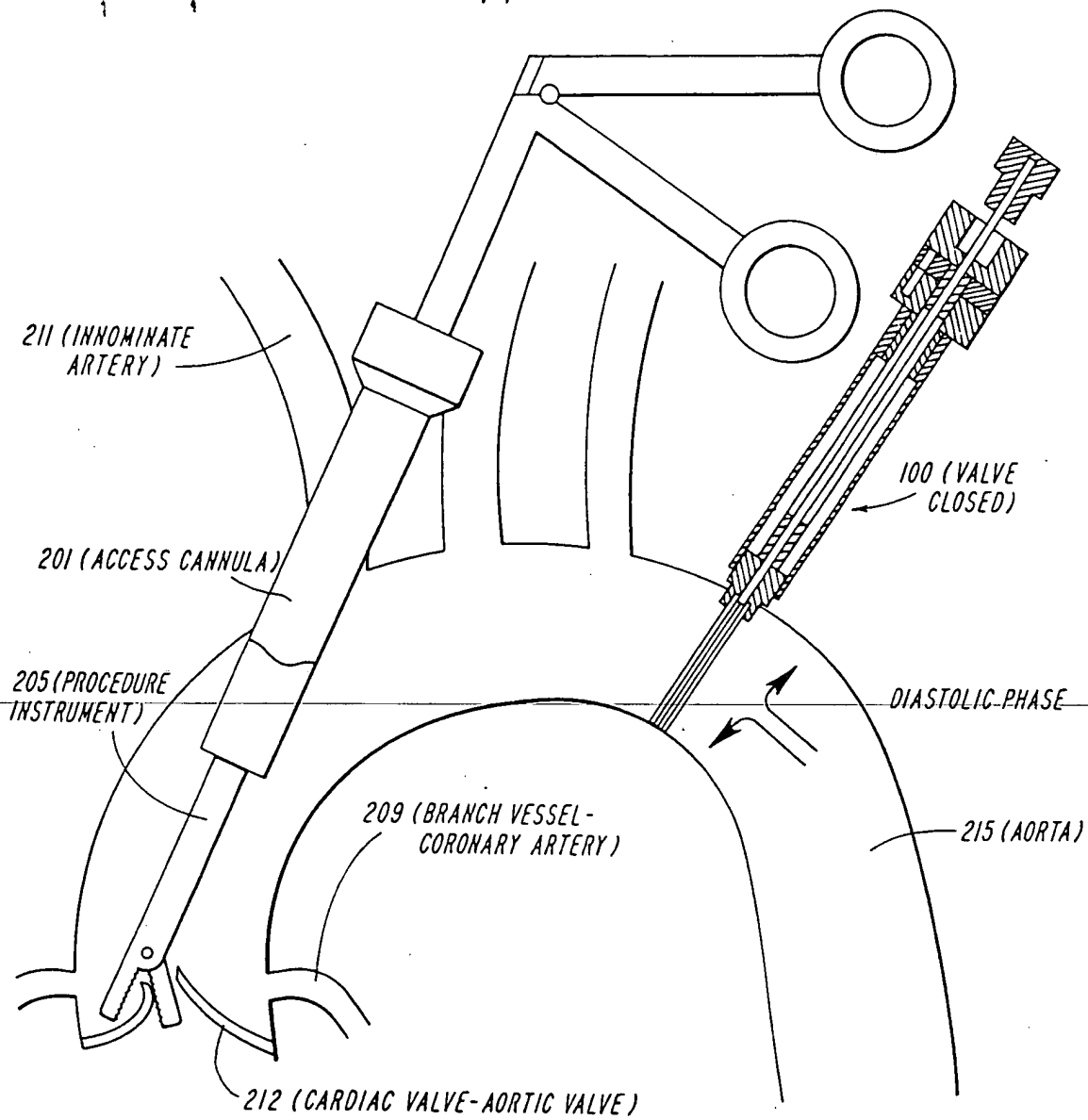


FIG. 16

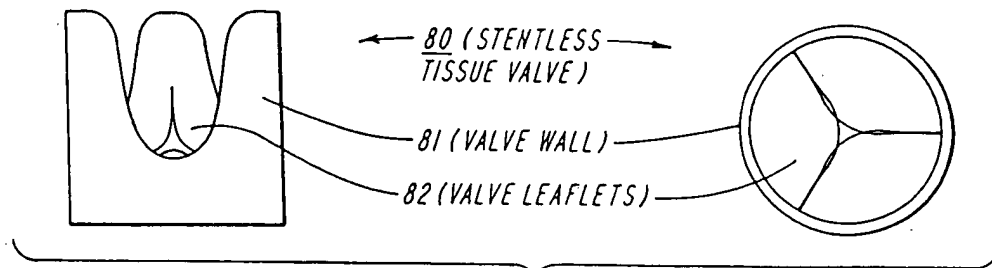


FIG. 17A

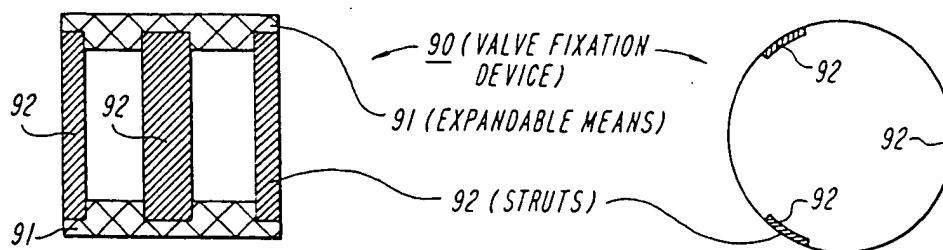


FIG. 17B

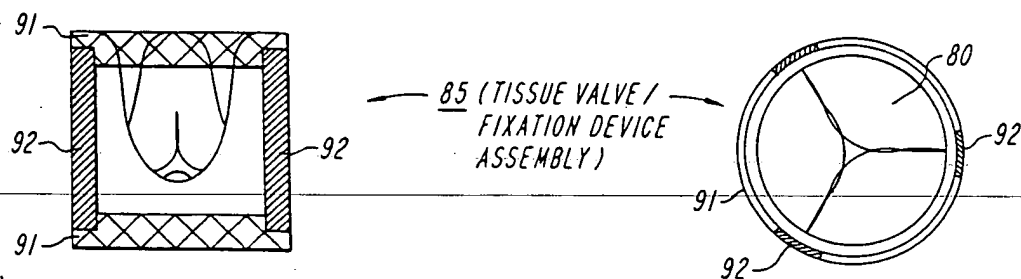


FIG. 17C

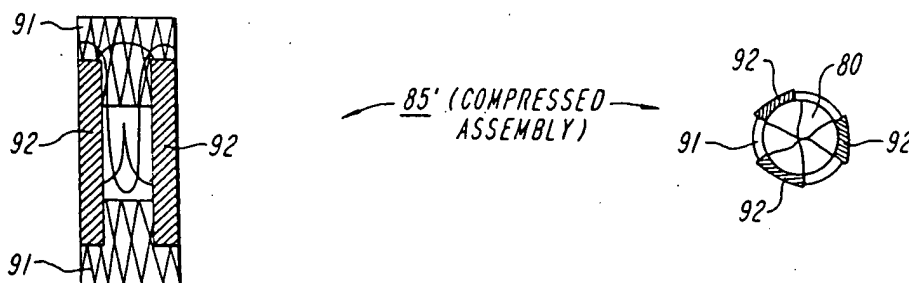


FIG. 17D

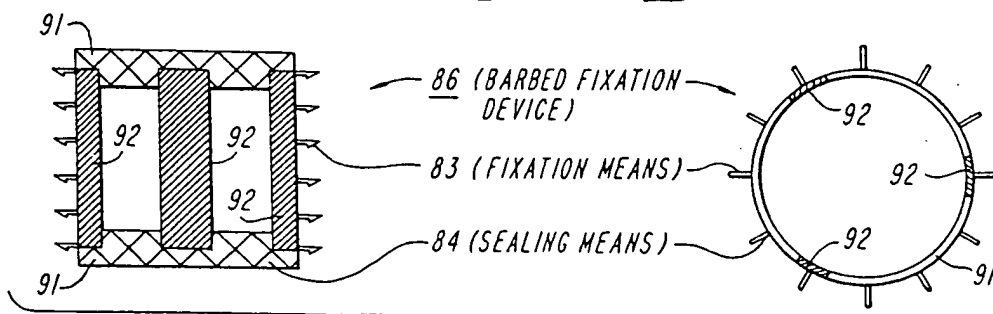
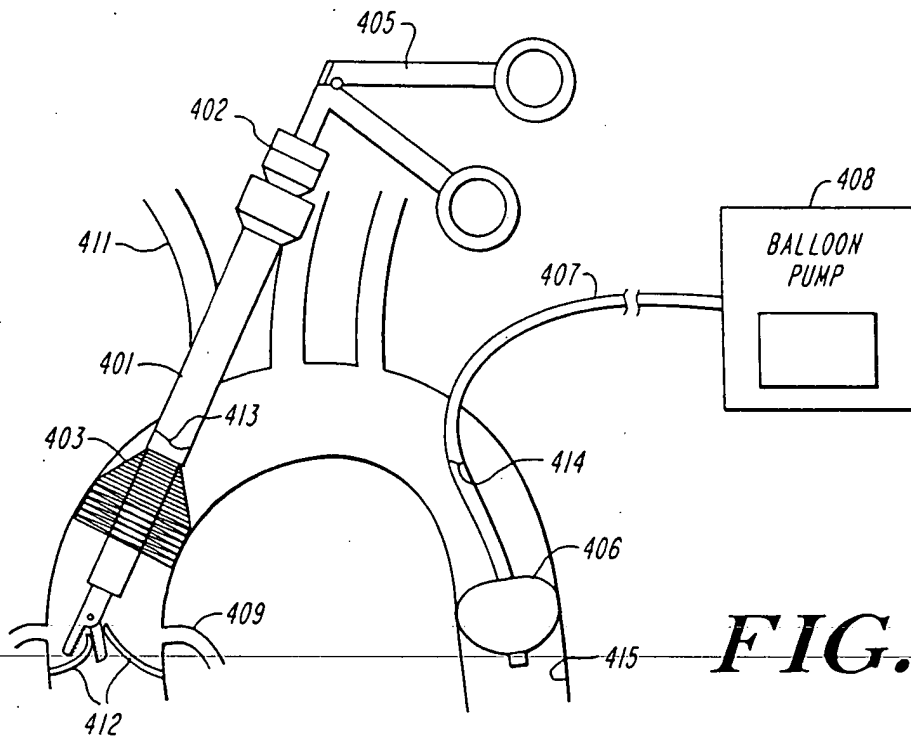
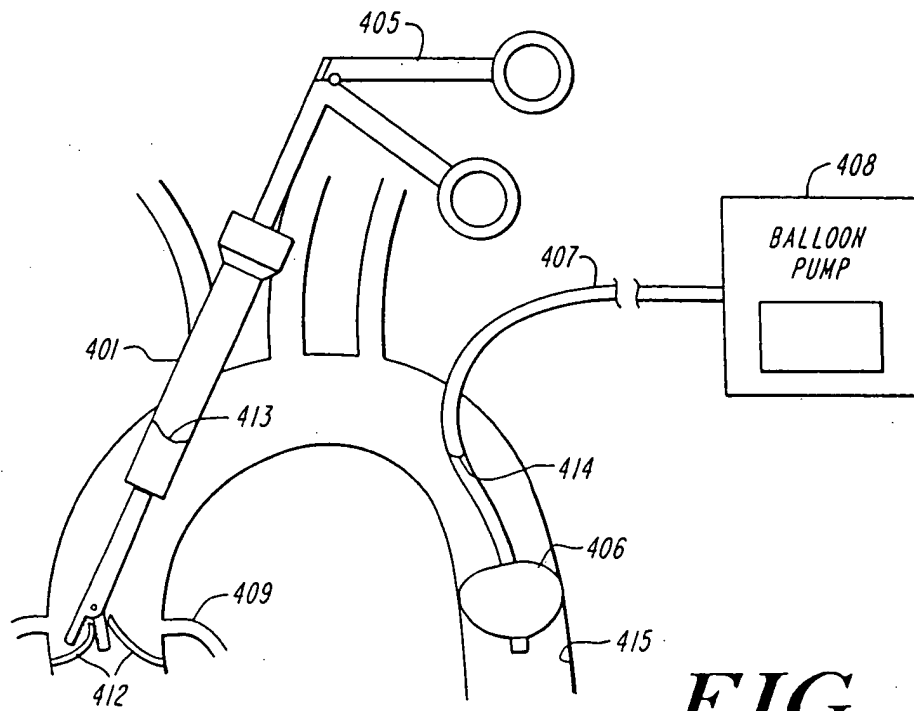
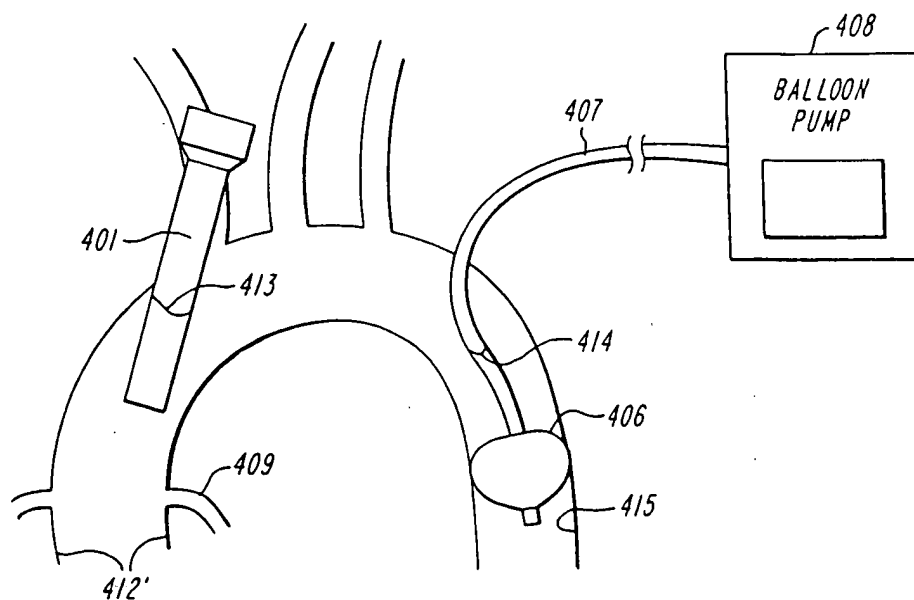
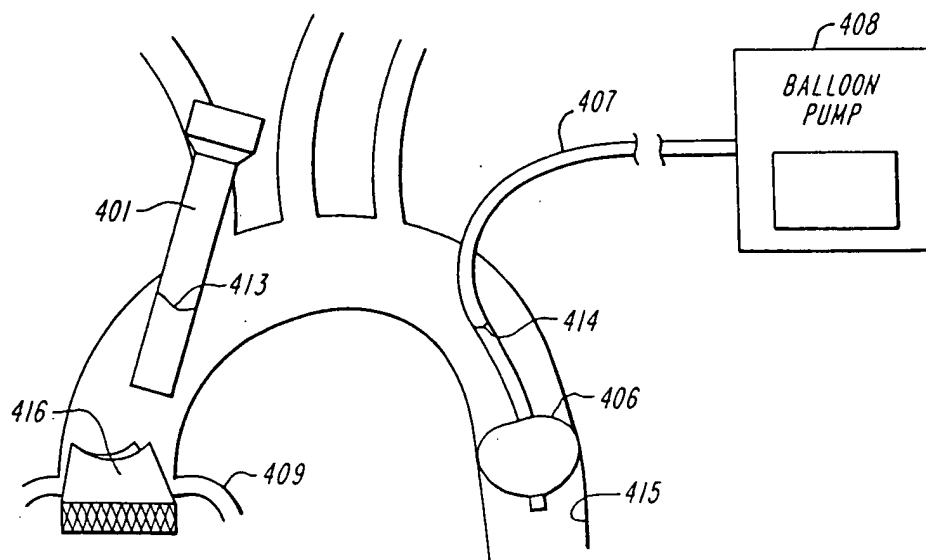
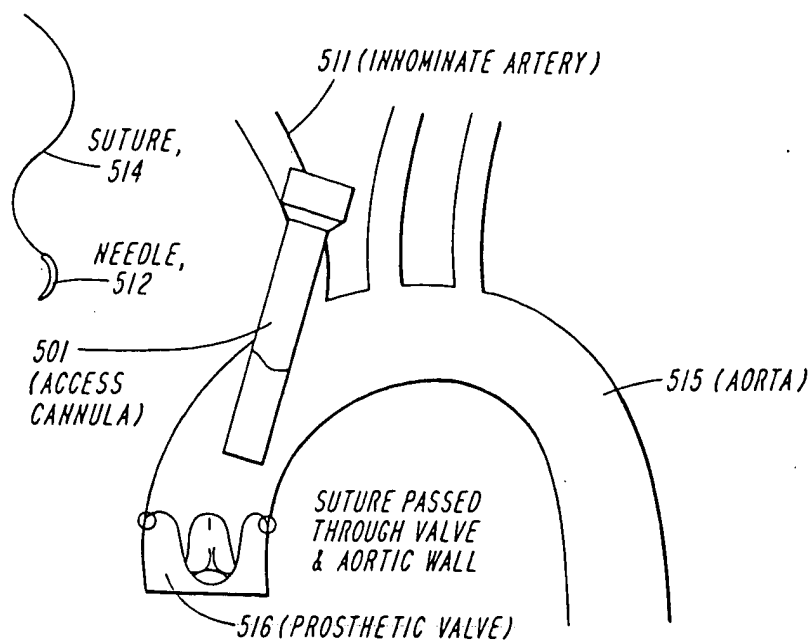
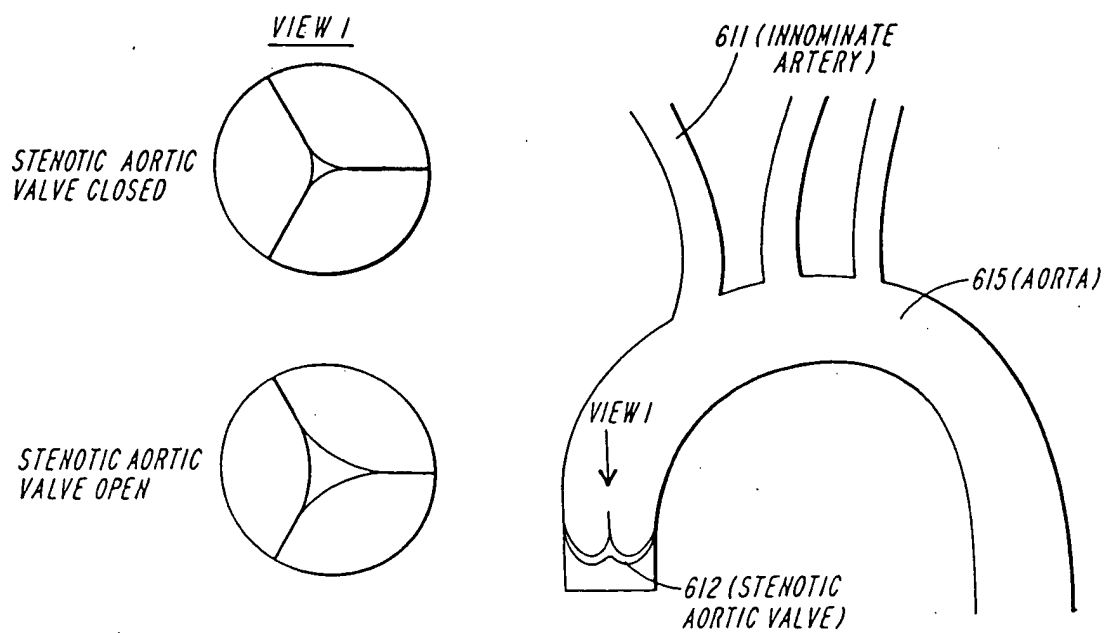
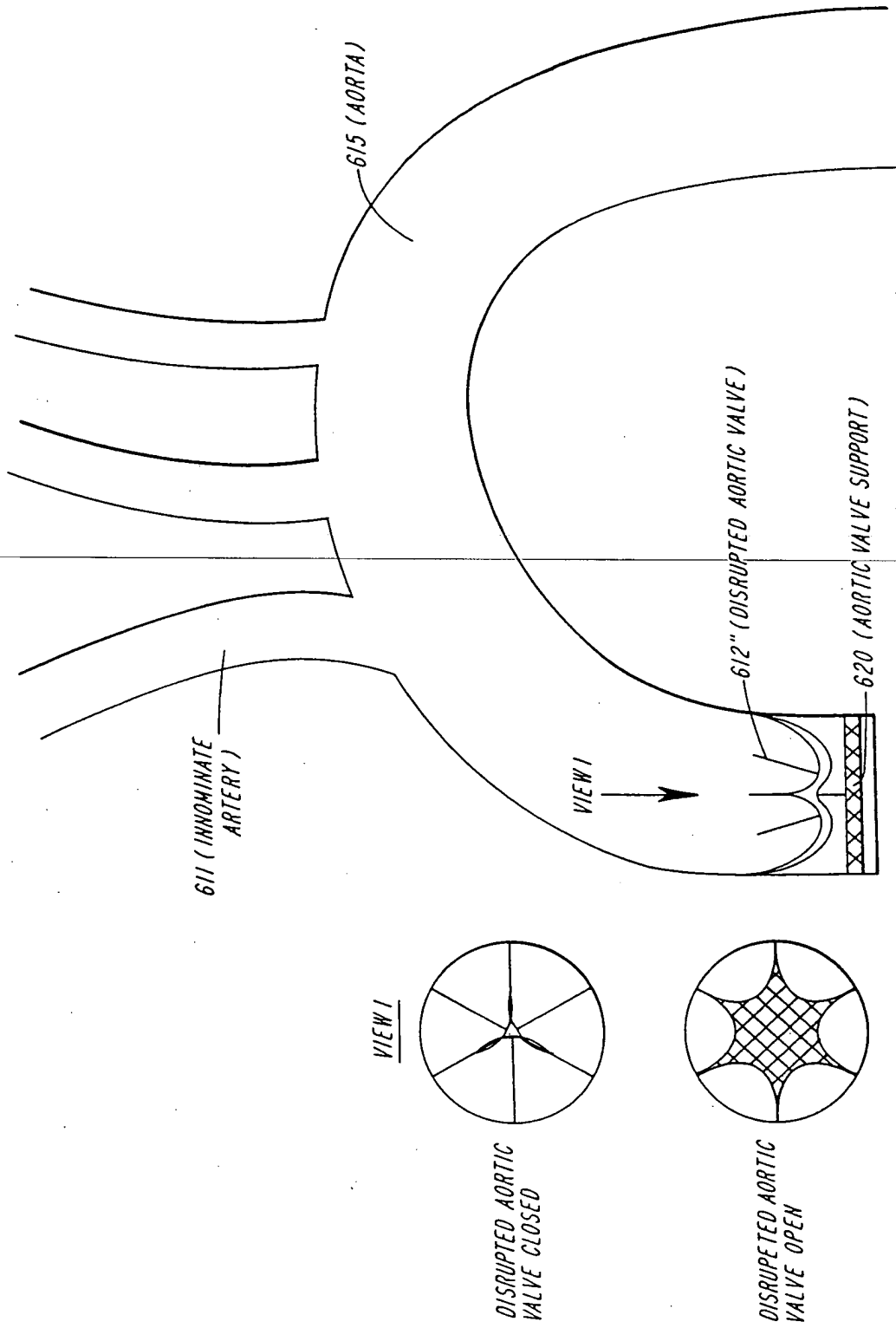


FIG. 17E

**FIG. 18****FIG. 19**

**FIG. 20****FIG. 21**

**FIG. 22****FIG. 23A**



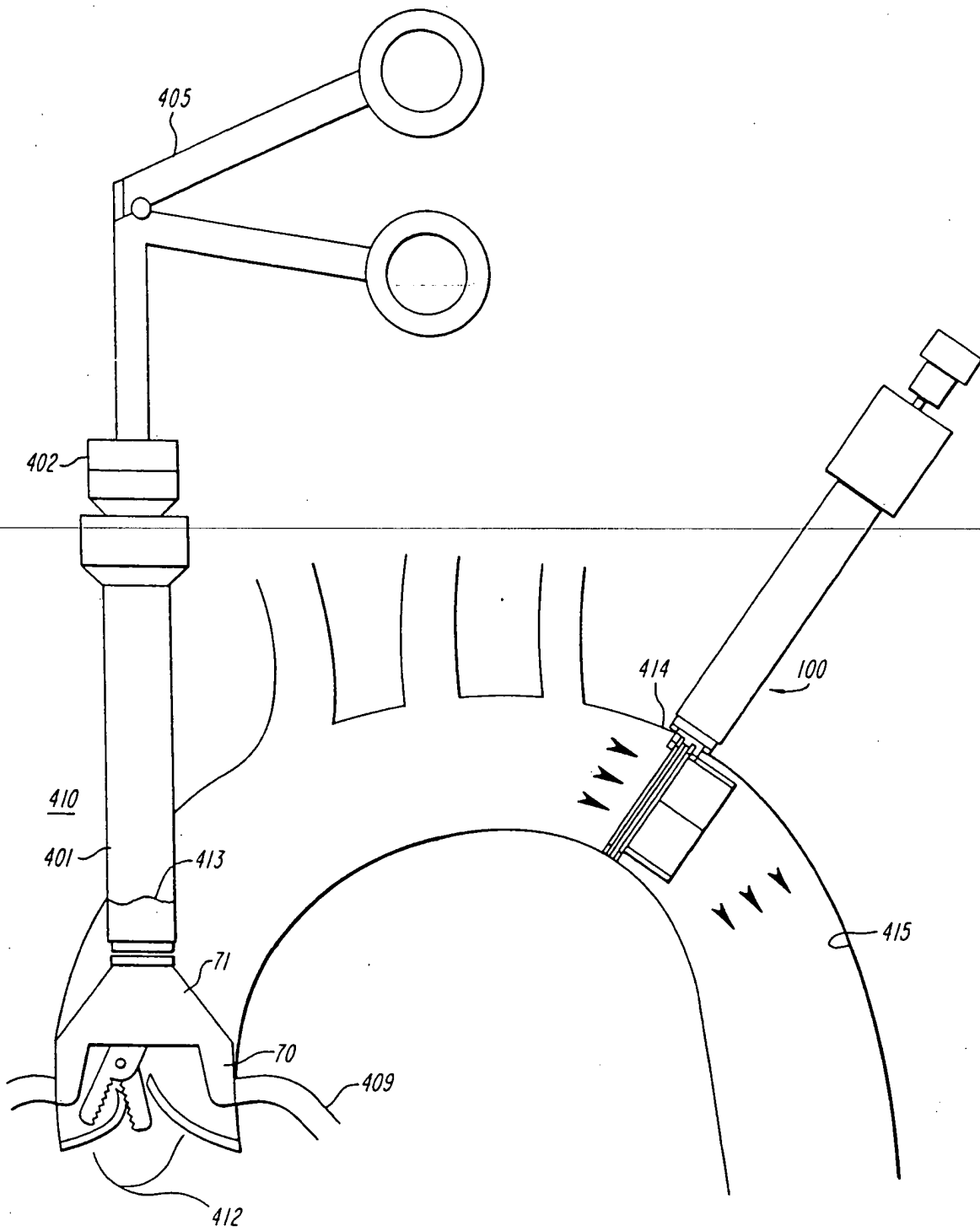


FIG. 24

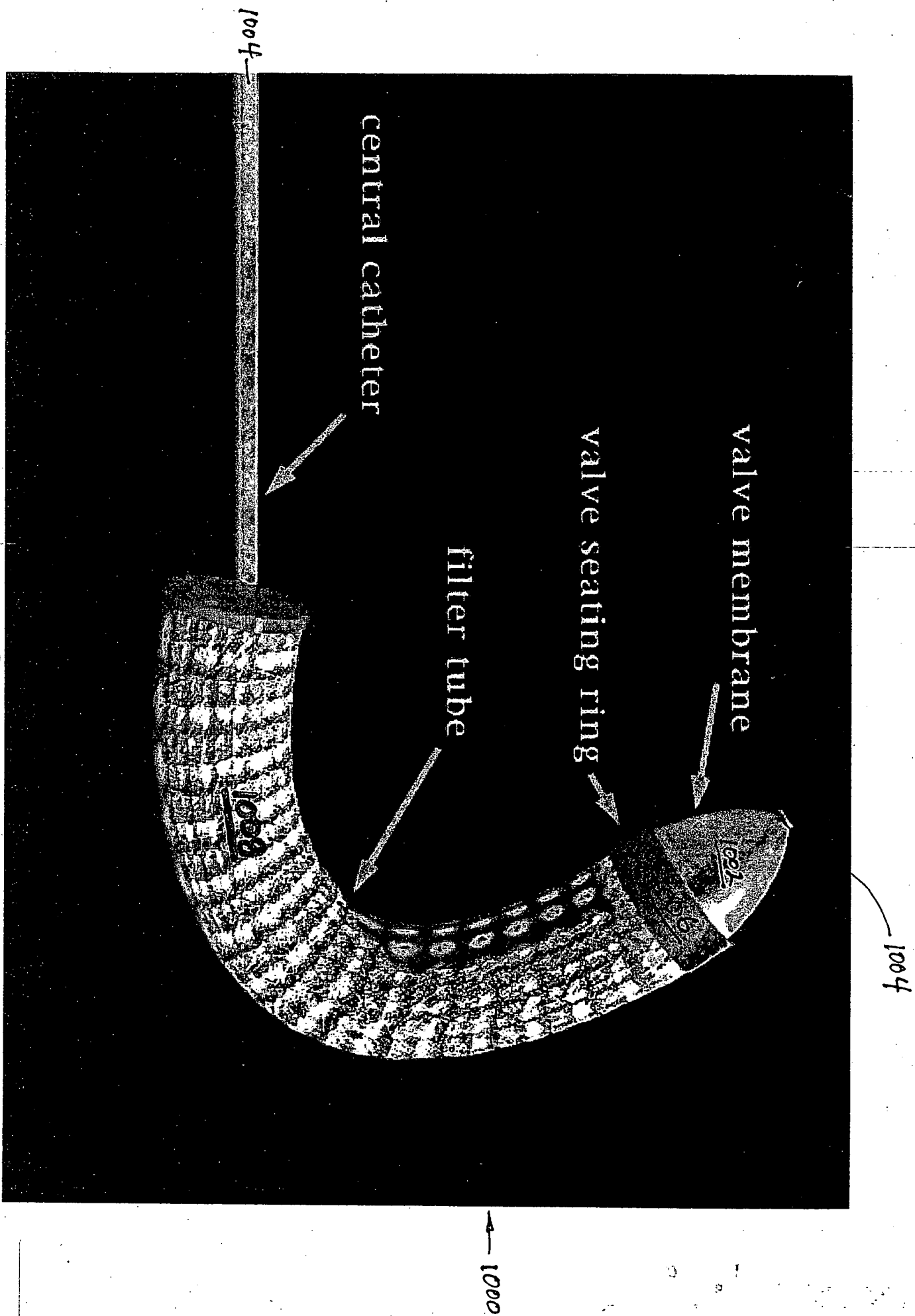


FIG. 25

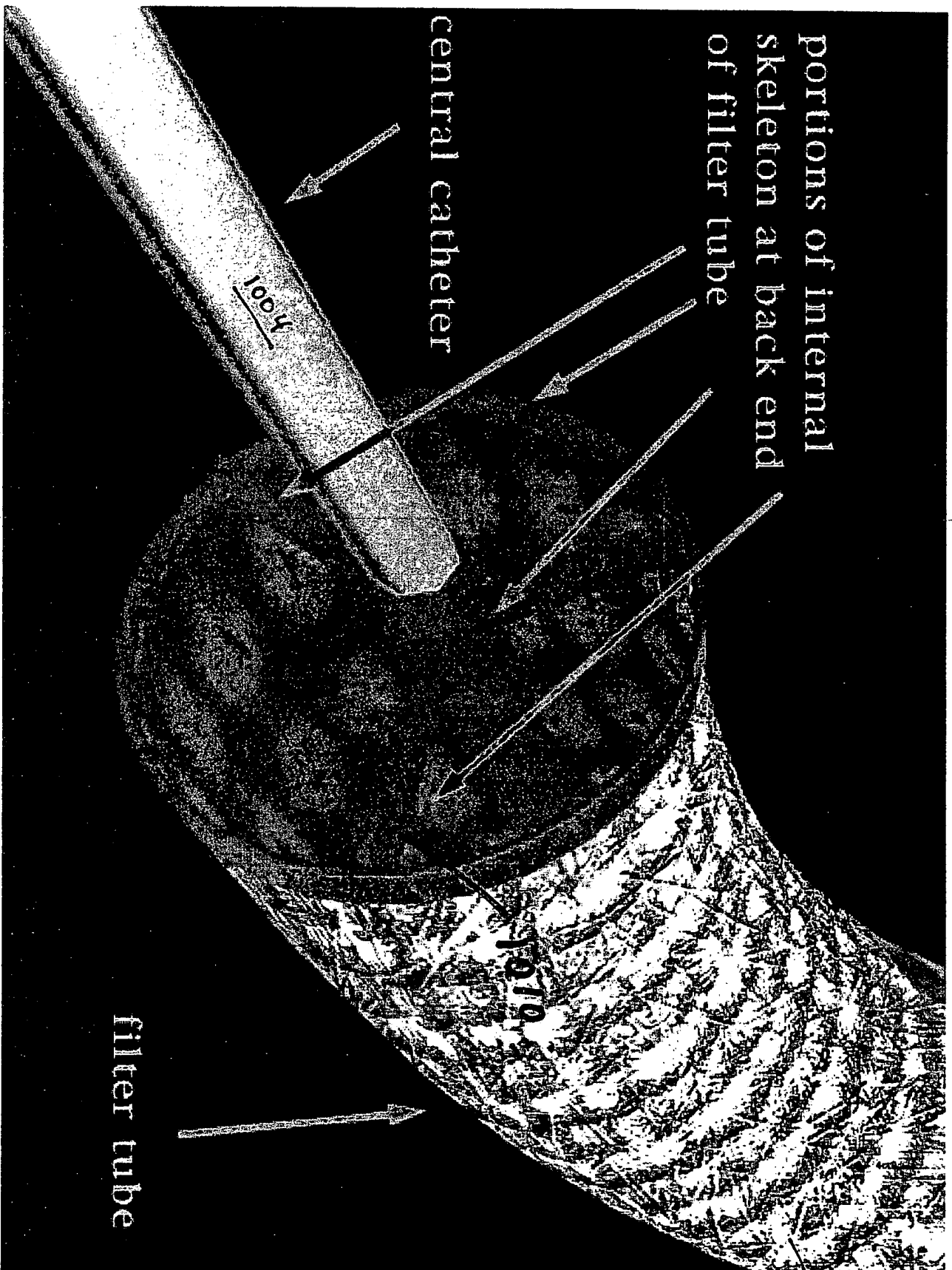


Fig. 26

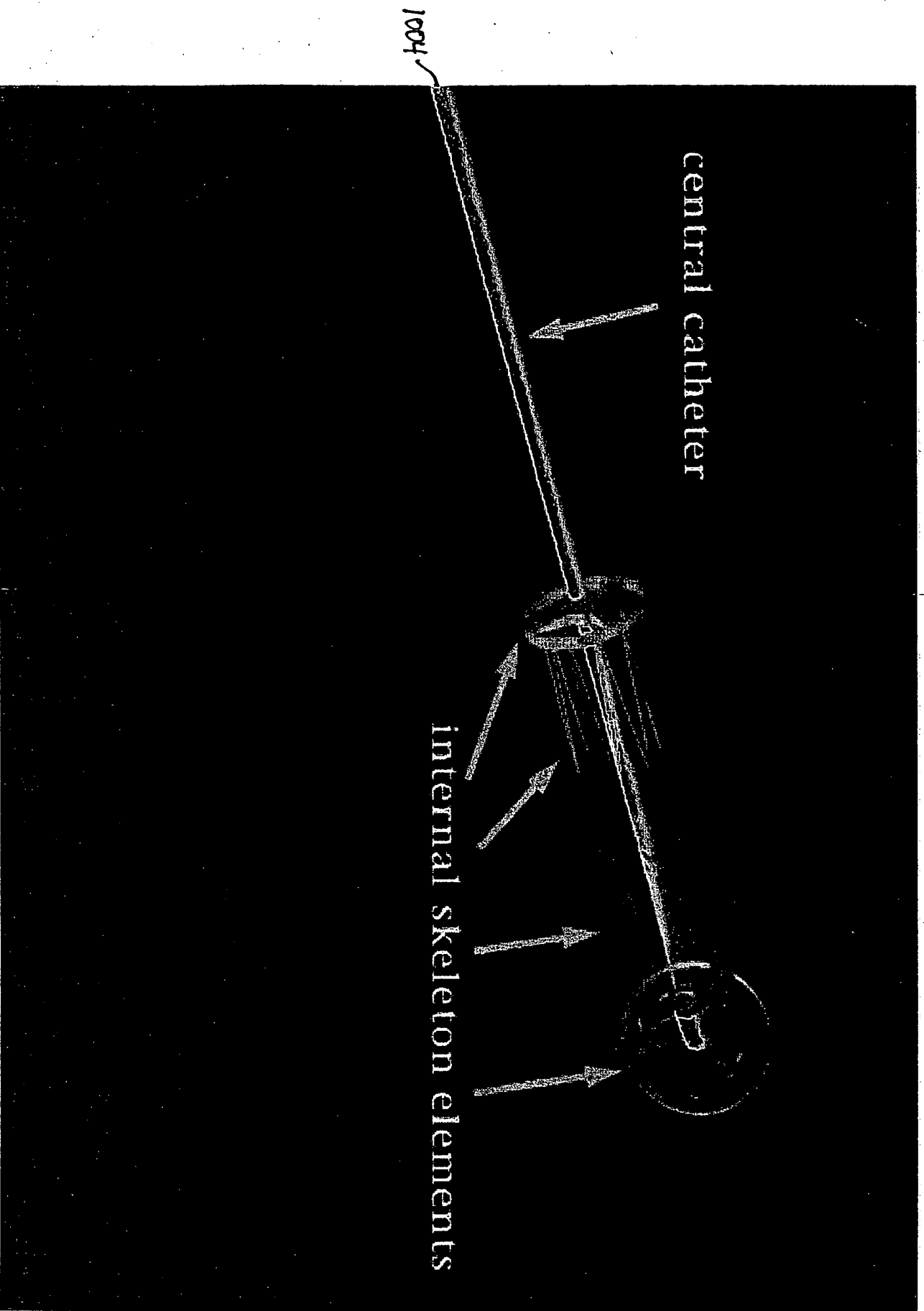


FIG. 27

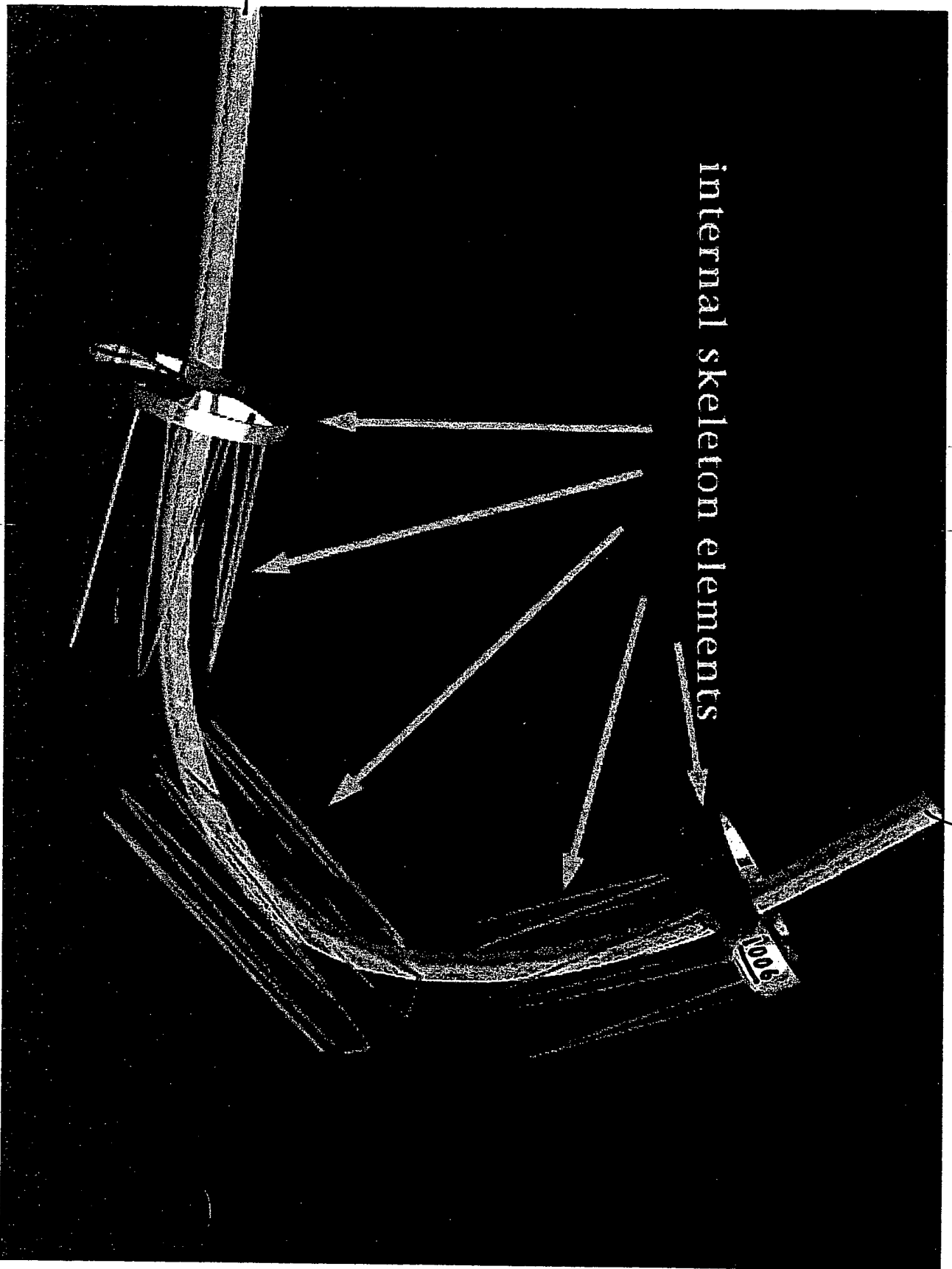


FIG. 28

end of central catheter

4 points of parabolic conical
membrane fixation (A,B,C,D)

temporary valve
completely open

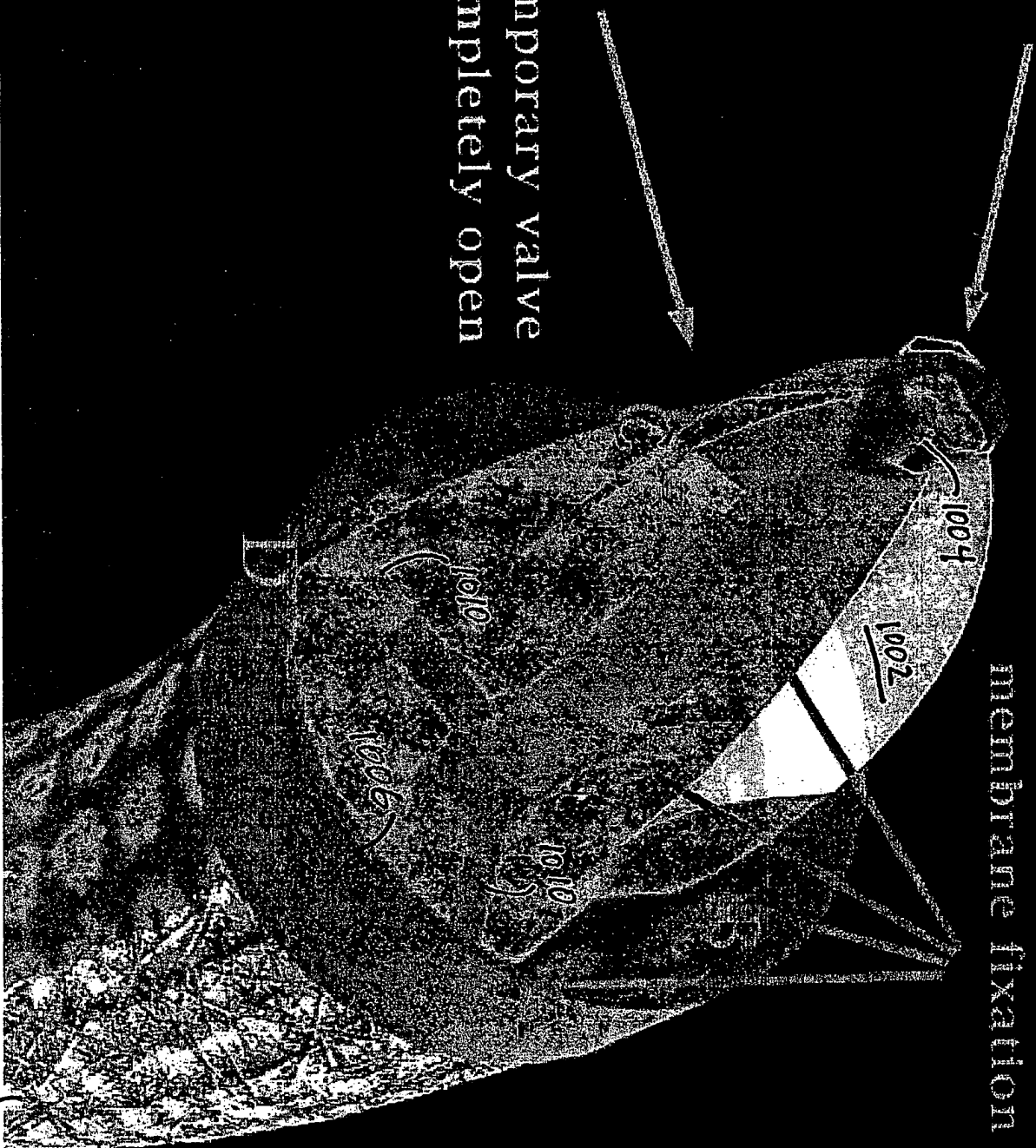
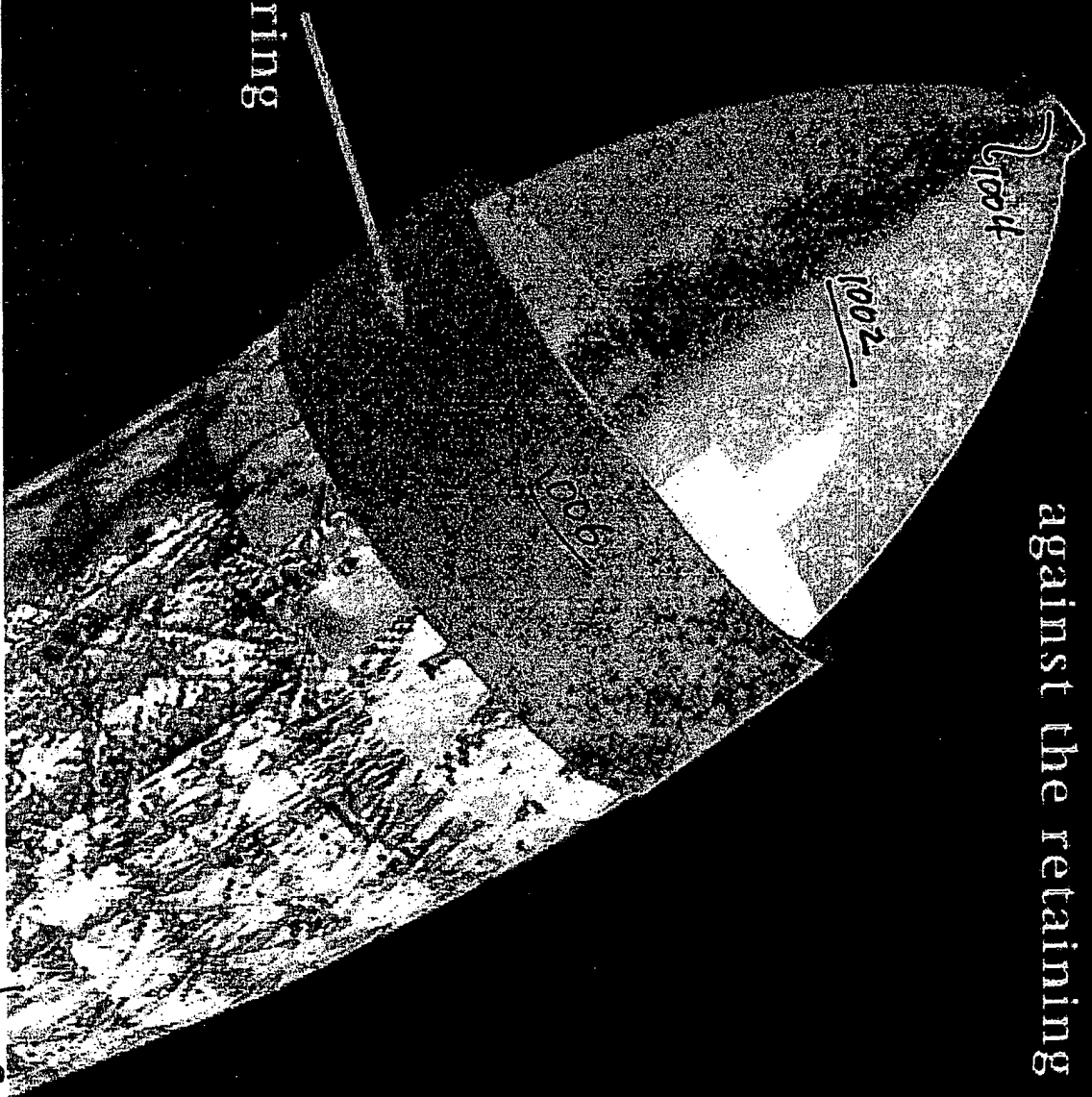


FIG 29

1008

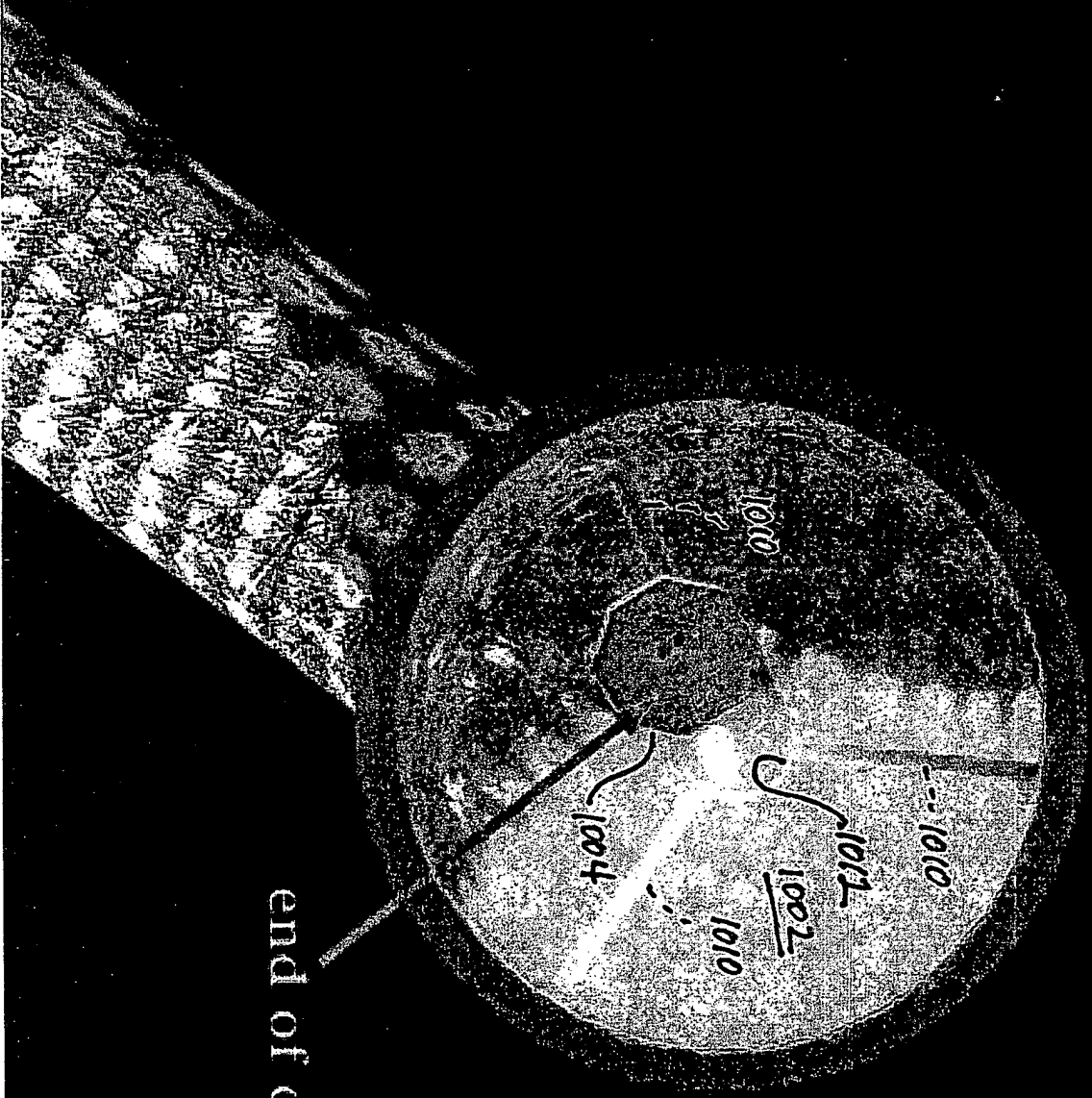
closed valve coapting
against the retaining ring



retaining ring

FIG. 30

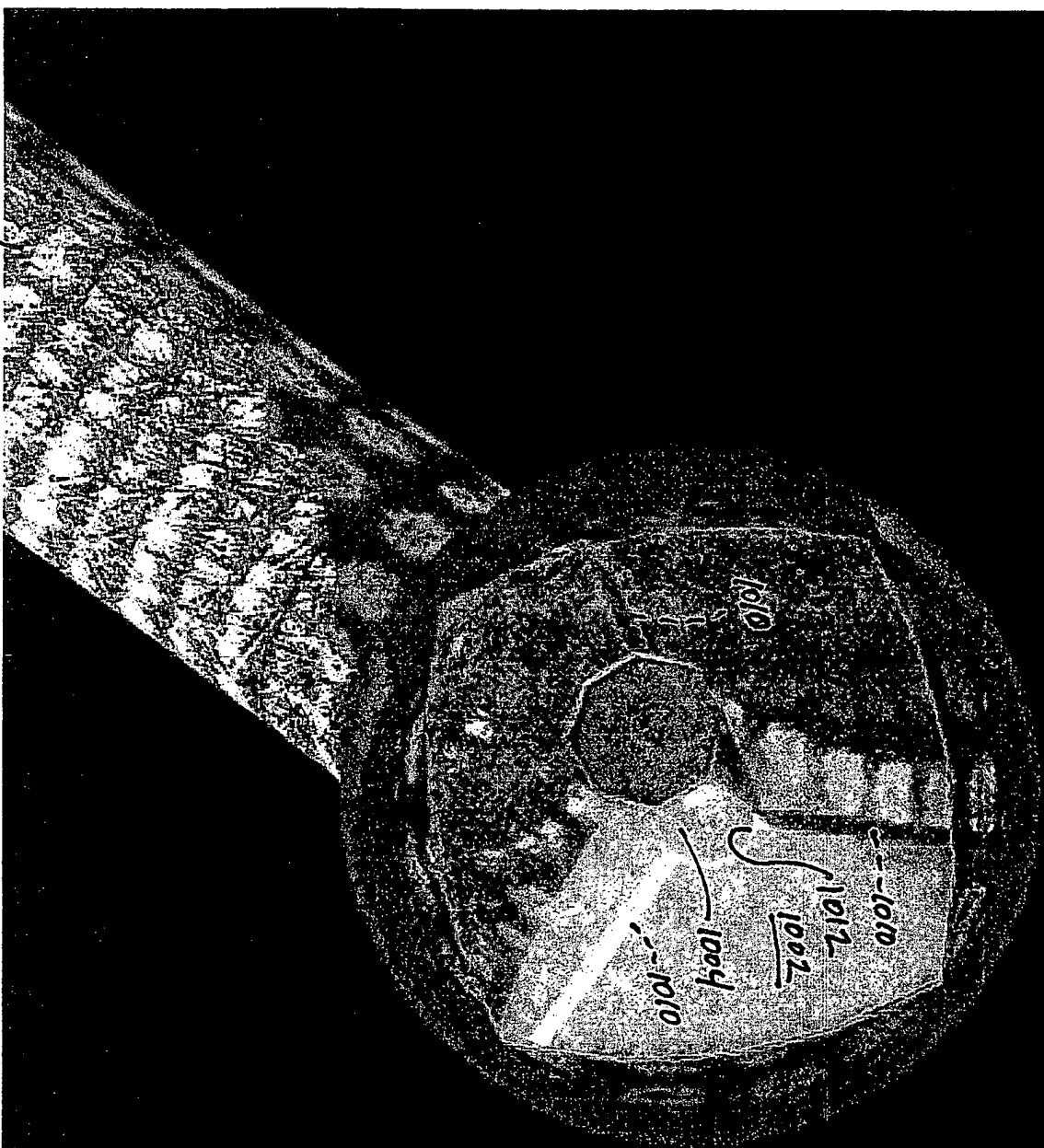
end-on view of completely closed valve



end of central catheter

FIG. 31

end-on view of slightly open valve



1008

FIG. 32

end of central catheter

temporary valve
partially open

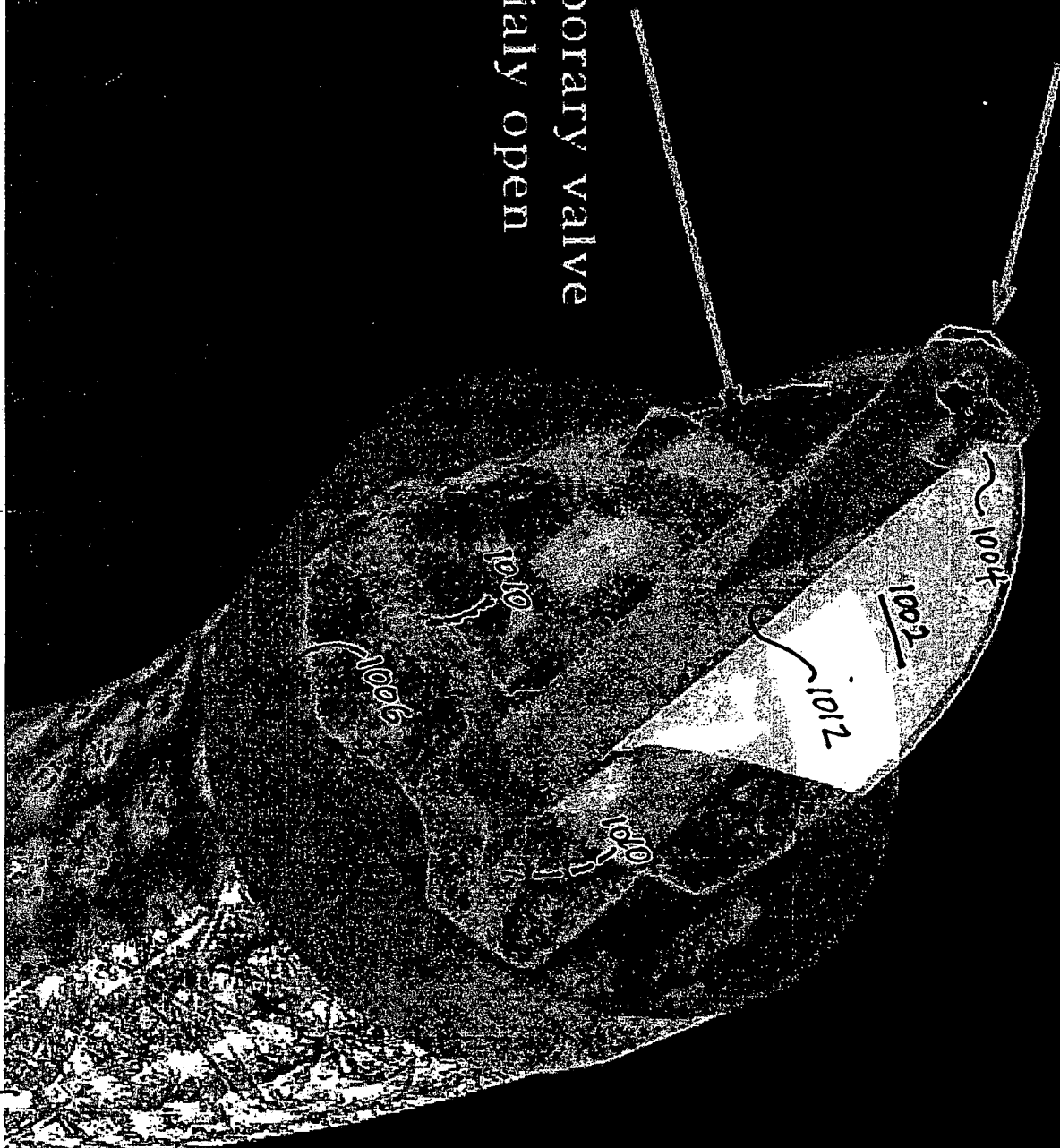


FIG. 33

end-on view of half open valve

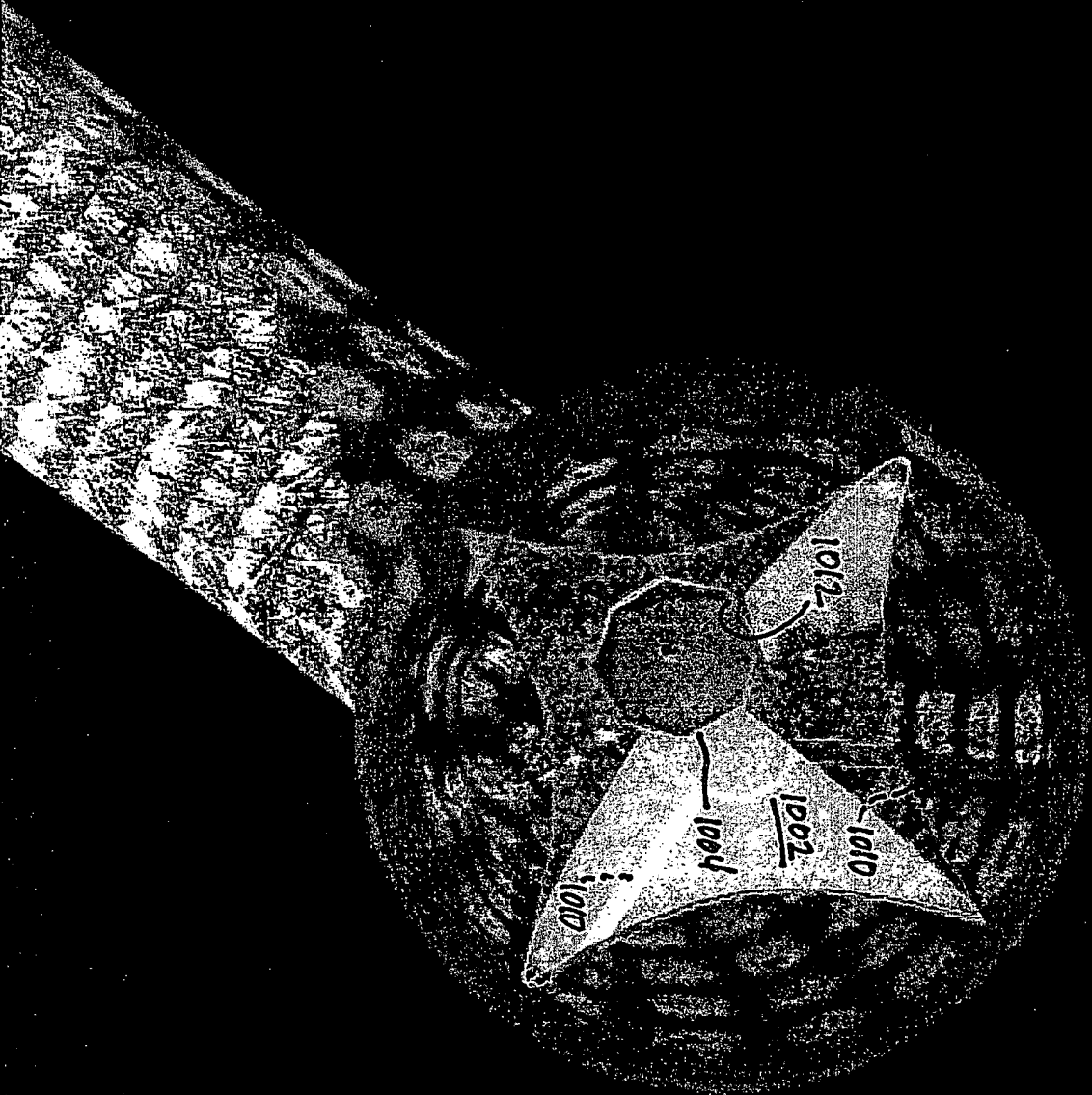
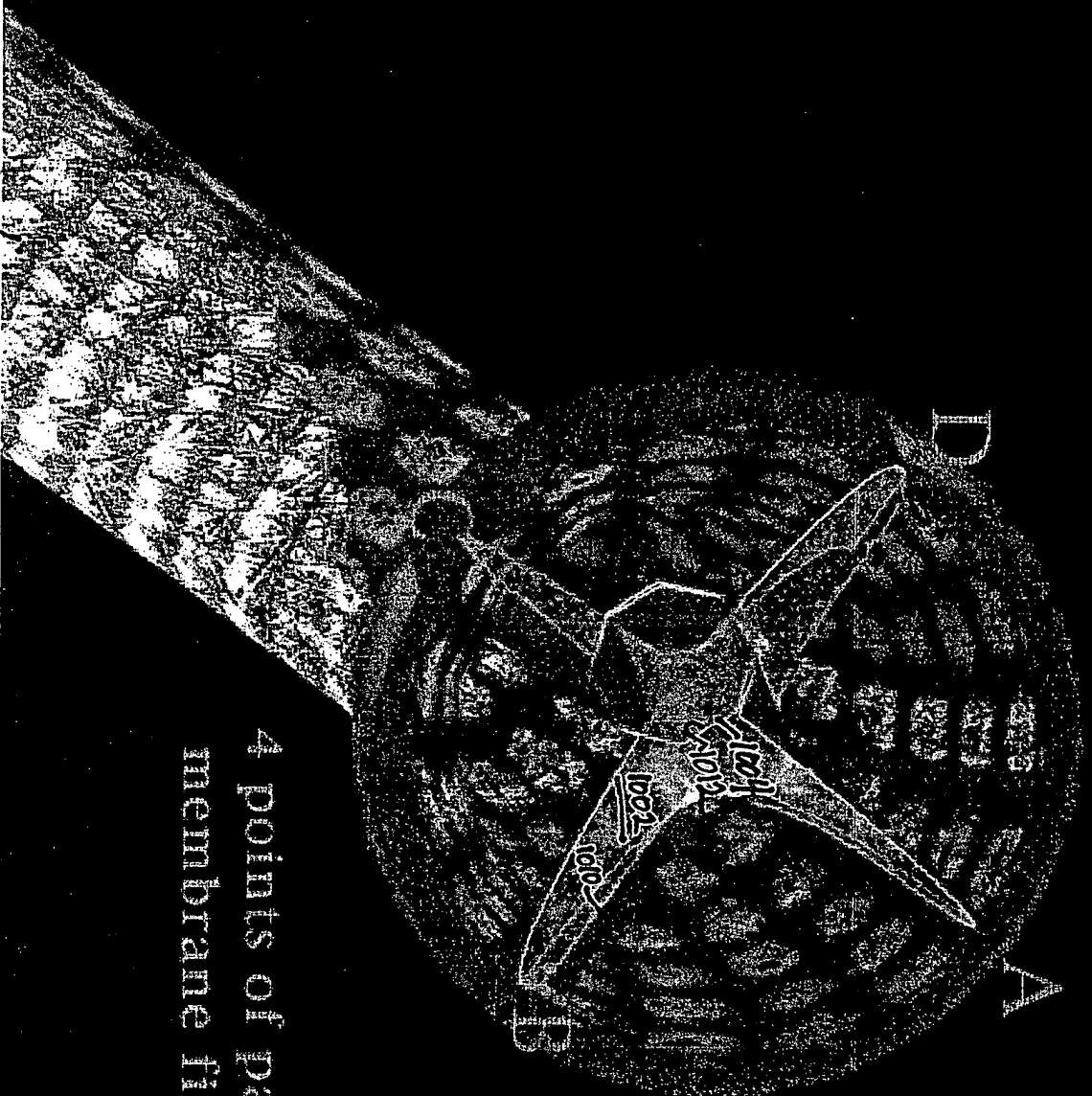


FIG. 34

end-on view of completely open valve



4 points of parabolic conical
membrane fixation (A,B,C,D)

FIG. 35